CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Railroad equipment, St. Louis, Mo., Missouri Pacific R.R. Co. will plan orders for 1927 delivery, $13,000,000.

Railroad tracks and freight depot, New Jersey, Morris & Essex R.R. Co. and Delaware & Lackawanna & Western R.R. Co. have been granted permit, $12,938,000

Drain, Pontiac, Mich., making plans, $6,000,000.

Railroad, Montana, Northern Pacific R.R. Co. authorized construction, $4,000,000.

Hotel, Indianapolis, Ind, James Whitcomb Riley Hotel had plans prepared, $3,250,000.

Railways, British Columbia, Pacific Great Eastern Ry. made plans, $3,000,000.

Sewerage, Allentown, Pa., voted bonds, $3,000,000.

Bakery and office, New York, N. Y., Natl. Biscuit Co. having plans prepared, $3,000,000.

College, Philadelphia, Pa., La Salle College having plans prepared, $3,000,000.

Hotel, Indianapolis, Ind., N. A. Perry having preliminary plans prepared, $3,000,000

Paper mill, Fraser, Que., Edwards, Gillies, Fraser & Bronson making plans, $3,000,000.

Hydro-electric development, Chippewa Falls, Wis., Northern States Power Co. making plans, $3,000,000.

University, Columbia, Mo., University of Missouri making preliminary plans, $2,490,000.

Paving, Neillsville, Wis., Clark Co. election Apr. 5, $2,390,000.

Hospital, nurses home and dormitory, Brooklyn, N. Y., Jewish Hospital having plans prepared, $2,200,000.

Theatre and office, Royal Oak, Mich., Washington Stores Co. having plans prepared, $2,000,000.

Substation, Jacksonville, Fla., City making plans, $2,000,000.

Bids Desired

Court house and jail, Chicago, Ill., Dec 20 by Superintendent Pub. Serv., $6,250,000

Hotel, Milwaukee, Wis., Dec. 13 by Hotabird & Roche, archts., $4,000,000.

Contracts

Office, Detroit, Mich., J. J. Baslum to Otto Misch Co., $5,000,000.

Wharf and railroad, Panama, Government of Panama to F. H. Arosemena, $3,000,000.

Dam, San Carlos, Ariz., U. S. Indian Irrigation Serv. to Atkinson-Spicer Co, $2,268,665.

Waterworks, Detroit, Mich., Bd. Water Comms. to G. R. Cooke, $2,247,712.

Apartment, Chicago, Ill., Rebori, Wentworth, Dewey & McCormick, archts., to Dahl-Stedman Co., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Dec. 10	Greenburgh (Scarsdale P. O.), N. Y.	Dec. 2
Dec. 10	Hawthorne, N. J.	Nov. 18
Dec. 13	Dayton, O.	Dec. 2
Dec. 14	St. Louis, Mo.	Nov. 11
Dec. 14	Mount Airy, N. C.	Dec. 2
Dec. 15	Adams, N. Y.	Nov. 25
Dec. 16	New York, N. Y.	Dec. 9
Dec. 16	Minneapolis, Minn.	Dec. 9
Dec. 20	McCook, Neb.	Dec. 9
Dec. 20	New Orleans, La. Adv. Oct. 21 to Dec. 9.	Oct. 21
Dec. 21	Vancouver, B. C.	Dec. 9
Dec. 23	Waukegan, Ill.	Nov. 18
Dec. 23	Waukegan, Ill.	Nov. 25
Jan. 4	Olney, Ill.	Dec. 9

Sewers

Dec. 13	Stamford, Conn. Adv. Dec. 2 and 9.	Dec. 9
Dec. 14	Boston, Mass.	Dec. 2
Dec. 14	Salina, Kan.	Dec. 2
Dec. 15	Grand Island, Neb. Adv. Nov. 25 to Dec. 9.	Nov. 25
Dec. 15	Brooklyn, N. Y.	Dec. 9
Dec. 20	Los Angeles, Calif.	Dec. 2
Dec. 30	Montgomery, Minn.	Dec. 9

Bridges

Dec. 13	Missouri	Dec. 9
Dec. 15	La Crosse, Wis.	Dec. 9
Dec. 15	Atlantic City, N. J.	Nov. 25
Dec. 15	Phila., Pa.	Dec. 9
Dec. 17	Fayetteville, Tenn.	Dec. 2
Dec. 17	Ft. Scott, Kan.	Dec. 2
Dec. 20	Two Rivers, Wis.	Nov. 25
Dec. 21	Hutchinson, Kan.	Dec. 2
Dec. 28	Pensacola, Fla. Adv. Dec. 2 and 9.	Dec. 2
Jan. 5	Stone Cliff, W. Va. Adv. Dec. 9.	Dec. 9

Excavation, Drainage, Irrigation, Levees, River and Harbor

Dec. 20	Bradenton, Fla. Adv. Dec. 2 and 9.	Dec. 2

Streets and Roads

Dec. 10	Boston, Mass.	Dec. 9
Dec. 13	Minnesota	Dec. 2
Dec. 13	Missouri	Dec. 9
Dec. 14	Leesburg, Va.	Dec. 9
Dec. 14	Phila., Pa.	Dec. 9
Dec. 14	Wisconsin	Dec. 9
Dec. 14	Brooklyn, N. Y.	Dec. 9
Dec. 14	Massachusetts	Dec. 9
Dec. 14	Quincy (br. Boston), Mass.	Dec. 2
Dec. 14	Minnesota	Dec. 2
Dec. 14	Philippi, W. Va.	Dec. 9
Dec. 14	Amarillo, Tex.	Dec. 9
Dec. 15	Oberlin, Kan.	Dec. 2
Dec. 15	Nashville, Ga.	Dec. 9
Dec. 15	Brooklyn, N. Y. Adv. Dec. 2 and 9.	Dec. 9
Dec. 15	Garner, Ia.	Dec. 9
Dec. 15	Brooklyn, N. Y.	Dec. 9
Dec. 16	Louisiana	Dec. 9
Dec. 16	Woodward, Okla.	Dec. 2
Dec. 16	Olathe, Kan.	Dec. 2
Dec. 16	North Carolina Adv. Dec. 2 and 9.	Dec. 2
Dec. 17	Sibley, Ia.	Dec. 9
Dec. 17	Tennessee	Nov. 4
Dec. 18	Montebello, Calif.	Dec. 2
Dec. 18	Hopatcong, N. J.	Dec. 2
Dec. 20	Newport Beach, Calif.	Dec. 9
Dec. 20	Jacksonville, Fla.	Dec. 9
Dec. 20	San Diego, Calif.	Dec. 9
Dec. 21	Louisiana	Dec. 9
Dec. 21	Massachusetts	Dec. 9
Dec. 21	Indiana	Dec. 9
Dec. 21	Louisiana	Dec. 9
Dec. 21	Washington	Dec. 2
Dec. 21	St. Louis, Mo.	Dec. 2
Dec. 22	Alma, Kan.	Dec. 9
Dec. 24	California	Dec. 9
Dec. 28	Oswego, Kan.	Dec. 2
Dec. 28	New York, N. Y. Adv. Dec. 9.	Dec. 9
Jan. 7	Kentucky	Nov. 11
Jan. 7	Kentucky	Dec. 9

Buildings—Commercial

Dec. 13	Milwaukee, Wis.	Dec. 9
Dec. 14	Hartford, Conn.	Dec. 9
Dec. 14	Dayton, O.	Nov. 25
Dec. 14	New York, N. Y.	Dec. 9
Dec. 15	Hope, Ark.	Dec. 2
Dec. 15	New York, N. Y.	Nov. 4
Dec. 17	Hope, Ark.	Dec. 2
Dec. 20	St. Louis, Mo.	Dec. 9
Dec. 20	Chicago, Ill.	Dec. 9
Dec. 21	Scranton, Pa.	Dec. 9
Dec. 23	Newark, N. J.	Dec. 9
Jan. 1	Wash., D. C.	Oct. 7
Jan. 5	Marksville, La.	Dec. 2
Jan. 12	Albany, N. Y.	Dec. 9
Jan. 15	New Philadelphia, O.	Dec. 9

Buildings—Industrial

Dec. 12	Chicago, Ill.	Dec. 9
Dec. 13	New York, N. Y.	Dec. 9
Dec. 14	Phila., Pa.	Dec. 9
Dec. 15	Stonington, Conn.	Dec. 9
Dec. 17	Wilmington, Del.	Dec. 9
Jan. 1	Salem, O.	Sept. 30

Buildings—Educational, Religious

Bids close		*See Eng. News-Record*
Dec. 13	Scranton, Pa.	Dec. 9
Dec. 15	St. Paul, Minn.	Dec. 9
Dec. 15	Tulsa, Okla.	Nov. 18
Dec. 15	Grosse Pointe (br. Detroit), Mich.	Nov. 25
Dec. 15	West Milwaukee (Milwaukee P. O.), Wis.	Dec. 2
Dec. 16	Berkeley, Calif.	Dec. 9
Dec. 16	Racine, Wis.	Dec. 9
Dec. 17	Holyoke, Mass.	Dec. 9
Dec. 18	Franklin, Pa.	Nov. 25
Dec. 20	Galt, Calif.	Dec. 9
Dec. 21	Springfield (Jamaica P. O.), N. Y.	Dec. 2
Dec. 21	Waterbury, Conn.	Dec. 9
Dec. 21	Boyce, La.	Dec. 9
Dec. 22	Roxbury (Boston P. O.), Mass.	Dec. 9
Dec. 23	New York, N. Y.	Dec. 9
Jan. 1	Wash., D. C.	Oct. 7
Jan. 3	L'Anse, Mich.	Nov. 11
Jan. 10	Taunton, Mass.	Dec. 9
Feb. 1	Wash., D. C.	Oct. 7

Federal Government Work

Dec. 10	Dwellings—Edgewood, Md.	Nov. 18
Dec. 10	Dredging—Phila., Pa.	Dec. 2
Dec. 11	Pumping Units—Wash., D. C. Adv. Nov. 18 to Dec. 9.	Nov. 18
Dec. 14	Post Office, etc.—Madison, Wis.	Nov. 25
Dec. 15	Road—California	Oct. 28
Dec. 15	Water Piping—Wichita Falls, Tex.	Dec. 2
Dec. 15	Post Office—Cody, Wyo.	Dec. 2
Dec. 15	Post Office—Buffalo, Wyo.	Dec. 2
Dec. 15	Radio Towers—Fire Island (mail Babylon), N. Y. Adv. Dec. 2 and 9.	Dec. 2
Dec. 20	Jetty Repairs—Galveston, Tex. Adv. Nov. 25 to Dec. 9.	Nov. 25
Dec. 26	Piping—Richmond, Va.	Dec. 2
Dec. 28	Canal—Easton, Wash.	Nov. 18
Dec. 28	Waterproofing—Sheridan, Wyo.	Dec. 2
Dec. 28	Quarters—Oteen, N. C. Adv. Dec. 2 and 9.	Dec. 2
Dec. 29	Solarium—San Diego, Calif.	Dec. 2
Dec. 29	Roof—Wash., D. C.	Dec. 9
Dec. 30	Engine, etc.—Memphis, Tenn. Adv. Dec. 9.	Dec. 9
Jan. 3	Operating Machinery—Louisville, Ky. Adv. Dec. 9.	Dec. 9

See proposal advertising on page 122

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

30 Years = Confidence

Laying 14 miles of 18-in. c. i. bell and spigot water mains with LEADITE joints.

Water works men use LEADITE because they have known it for years.

They know it has been successfully tested and used for over 30 years on thousands of miles of c. i. bell and spigot water mains.

This gives them confidence in LEADITE as a jointing material.

The proven durability of LEADITE is important to them, as their pipe lines are laid under ground and are, in most cases, permanent installations.

LEADITE is a great asset to the water works field in pipe line construction, and this fact is recognized by the best water works talent in the country.

There is nothing to equal LEADITE in its many advantages.

LEADITE is used on all sizes of pipe from 4 in. to 60 in. in diameter; used under all pressures; takes the drudgery out of pipe laying; saves time, money and labor; expedites completion of the work; used by hundreds of water works all over the country.

LEADITE is a proven success, and the demand for LEADITE is the most convincing evidence of its established merit.

Give LEADITE a fair trial, and you will unquestionably become a LEADITE user.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE
and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close	See Eng. News-Record
Jan. 14	Extension—Missoula, Mont. ..... Dec. 2
Jan. 18	Pier—Pearl Harbor, T. H. Dec. 2
Jan. 20	Towboat—St. Louis, Mo. ... Dec. 9 Adv. Dec. 9.

Unclassified

Dec. 10	Cable—New York, N. Y. ..	Dec. 9
Dec. 10	Elevator—Brooklyn, N. Y. .	Dec. 2
Dec. 14	Street Lighting System — St. Louis, Mo.	Nov. 25
Dec. 14	Bulkhead—Brooklyn, N. Y.	Dec. 9
Dec. 15	Wharf—Nassau, Bahamas .	Nov. 18
Dec. 17	Lighting System—Phila., Pa.	Dec. 9
Dec. 17	Oil Circuit Breakers—Los Angeles, Calif.	Dec. 9

Bids close	See Eng. News-Record
Dec. 22	High Pressure Steam Lines—Ogdensburg, N. Y. ..... Dec. 9 Adv. Dec. 9.
Dec. 22	Telephone System—Kings Park, N. Y. ..... Dec. 9 Adv. Dec. 9.
Dec. 29	Elimination of Grade Crossing—Phila., Pa. ..... Dec. 9 Adv. Dec. 9.

Materials

Dec. 10	Lumber — New York, N. Y.	Dec. 9
Dec. 13	Metals and Castings, New York, N. Y.	Dec. 9
Dec. 13	Lumber—Des Moines, Ia. ..	Dec. 9
Dec. 14	Cable—Newark, N. J.	Dec. 9

Bids close	See Eng. News-Record
Dec. 14	Paving Materials—Phila., Pa. ..... Dec. 9
Dec. 14	Liquid Chlorine—Chicago, Ill ..... Dec. 9
Dec. 14	Lumber, etc.—Leon, Ia. ... Dec. 2
Dec. 15	Lumber—South Boston (sta. Boston), Mass. ..... Dec. 2
Dec. 15	Paving Blocks, etc.—New York, N. Y. ..... Dec. 9
Dec. 15	Steel Rails—Boston, Mass. Dec. 9
Dec. 16	Rail Bonds—Phila., Pa. ... Dec. 9
Dec. 16	Lumber, etc.—Sigourney, Ia. ..... Dec. 9
Dec. 17	Sewer Castings, etc.—Minneapolis, Minn. ..... Dec. 9
Dec. 18	Slag, Stone, etc.—Lakewood (br. Cleveland), O. ..... Dec. 9
Dec. 30	Gasoline and Oil—Austin, Tex. ..... Dec. 9

News of New Work

Waterworks

Proposed Work

N. Y., Lockport—Common Council plans reservoir and filtration plant. $550,000.

N. Y., Syracuse—Plans 4,000 ft. 16 in. c.i. mains in various streets. $7,000. Owner furnishes pipe. M. B. Palmer, City Hall, engr.

Va., Roanoke—Roanoke Waterworks Co., 2 Salem Ave. E., soon takes bids filtration plant near Falling Creek Dam, and constructing dam at Carvias Cove. $1,000,000. Sanborn & Bogert, 30 Church St., New York City, engrs.

Fla., West Palm Beach—Making plans extending waterworks. Hazen & Whipple, 25 West 43rd St., New York City, consult. engrs.

Tenn., Crossville—Voted $100,000 bonds, new waterworks, incl. wells, tank, pumps, mains, valves, hydrants, etc. A. P. McGuire, mayor. Engineer not selected.

O., Amherst — Voted $75,000 bonds, extending waterworks.

O., Barberton—Voted $180,000 bonds, extending waterworks.

O., Eaton—Voted $37,000 bonds, extending waterworks.

O., Green Springs—Voted $50,000 bonds, new water works. Noted Sept. 2.

O., New Boston (sta. Portsmouth) — Voted $70,000 bonds, extending waterworks.

O., Perrysburg—Voted $20,000 bonds, extending waterworks.

O., St. Paris—Voted $14,000 bonds, extending waterworks.

O., Salineville — Voted approximately $100,000 bonds, waterworks.

O., Trenton—Voted $40,000 bonds, waterworks.

Mich., Detroit—Dept. Water Supply making plans extending 26,120 ft. 6- to 12-in. mains in State Fair and Seven Mile Rds., 4 streets and 9 avenues; also filter plant equipment, incl. No. 4 Leopold and No. 3 Ganntt Dry Feed Machine for feeding sulphate of alumina in proper proportions in filter plant. Dept. will furnish pipe and work will be let on contract. G. H. Fenkell, 176 East Jefferson Ave., engr.

Ill., Jerseyville—Takes bids about Jan. 1, 17,000 ft. 4 and 6 in. c.i. mains, hydrants, valves, boxes, etc. in East Jerseyville Dist. $20,000. Beard Eng. Co., 7370 Manchester Ave., Maplewood, Mo., engrs.

Ill., Richmond — Soon takes bids new waterworks, incl. well, tank on tower, pumping equipment, casing and strainer, etc. $12,000 bonds voted. Also plans several miles distribution mains. Wells Eng. Co., Geneva, engrs.

Ark., Pine Bluff — Making preliminary plans distribution system and sewers for 80 acre tract in West Pine Bluff Dist. C. Raymond, 1519 West 6th Ave., A. Soltz, 1302 Linden St., and P. Taylor, 123 West Barraque St., comrs. G. B. Smith, 409 Natl. Bank Bldg., engr.

Ark., Pine Bluff—Making preliminary plans watermains and sanitary sewers in 43 blocks various streets in Dist. 2. G. B. Smith, 409 Natl. Bank Bldg., engr.

Ark., Searcy—Soon takes bids distributing system, pumping equipment, etc. $80,000. Dickinson & White, 608 Boyle Bldg., Little Rock, engrs.

Ark., Springdale—Making preliminary plans replacing 6 in. mains with 10 in. mains in downtown section, and using 6 in. main in extensions to water distribution system, enlarging pumping station, and sanitary sewers in various streets.

Tex., Childress — Making plans waterworks improvements, incl. 4 mi. 14 in. iron or concrete pipe line, 2 or 3 concrete basins, and 1 m. g. reservoir. $100,000. F. F. DuBose, Childress, engr. Noted Nov. 25.

Tex., Cuero—Rejected bids centrifugal pumps, 1,000 g.p.m., 150 head, direct connected to electric motor. Will continue operation of plant with steam. L. Hamilton, mayor. Noted Nov. 11.

Tex., Denton—City c/o H. T. Brewster, supt. Water Dept., plans purchasing after Jan. 1, one 250-400 hp. engine and generator for waterworks. $20,000. Private plans. Noted Nov. 4.

Tex., Levelland—Election Dec. 22, $50,000 bonds, waterworks, incl. well, pumping equipment, elevated tank, and 3.5 mi. 2- to 8-in. c.i. mains in various streets. Hawley & Roberts, Box 1115, Lubbock, engrs.

Tex., Wichita Falls — Making surveys, etc., waterworks improvements. F. M. Rugeley, city engr.

Okla., Mulhall—Making plans new waterworks. $20,000. Musson & Co., Grain Exch. Bldg., Oklahoma City, engrs.

Okla., Navina—Made preliminary plans new waterworks. Election soon $22,000 bonds for same. Musson Eng. Co., Grain Exch. Bldg., Oklahoma City, engrs.

Okla., Sperry—Plans waterworks and sewerage systems. $65,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs. Noted April 1.

Wash., Seattle—Plans election $2,000,000 bonds, improving and extending waterworks, incl. 5½ mi. 42 in. steel main between Volunteer Park and Maple Leaf Reservoirs; 3 mi. 20 in. iron main between Bway. and Volunteer Park Reservoir; 2,000 ft. 30 in. main in East Olive St., 4,100 ft. 20 in. in West 83rd St., 1.75 mi. 24 in. in West Marginal Way, and 2,000 ft. 20 in. in East 55th St.; also aqueduct from Landsburg to southside Lake Washington. L. M. Grant, supt. Water Dept.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Calif., Montague—See "Dams."

Calif., Monterey Park—Election Dec. 14, $180,000 bonds, waterworks. A. W. Langley, city clk. Noted Dec. 2.

Que., Quebec—Plans concrete reservoir. $150,000. J. A. Tremblay, Quebec, engr.

Que., Quebec—Plans constructing 36 in. clay overflow to aqueduct reservoir. $75,000. J. A. Tremblay, Quebec, engr.

Que., Quebec—Plans new water service. $100,000. J. A. Tremblay, Quebec, engr.

Bids Desired

N. Y., New York — Dec. 16, by F. A. Wallis, comr. Dept. Correction, Municipal Bldg., galvanized iron pipe water supply lines, branches, valves, etc. in cells of lower cell block of main male prison and centre west wing of main prison building, at City Prison, 101 Centre St.

Ill., Nameoki (mail Granite City)—See "Contracts Awarded."

Ill., Olney—Jan. 4, by City Clerk, waterworks and distribution system, incl. 4 and 6 in. mains, pumping equipment, filtration plant, etc. $175,000. Edward Flad & Co., 920 Chemical Bldg., St. Louis, Mo., engrs. Noted July 29.

Minn., Minneapolis—Dec. 16, by F. S. Gram, city purch. agt., 150 tons special water castings, 55,000 lin.ft. 6 in., 7,000 ft. 8 in., 7,000 ft. 12 in. and 2,592 ft. 24 in. c.i. pipe, for Water Dept. N. W. Elsberg, city engr.

Neb., McCook—Dec. 20 (extended date), by F. Moss, city clk., reservoir and 3,400 ft. 12 in. steel and c.i. supply pipe line with valves, 3,500 lb. specials, 200 ft. 15 in. c.i. and 3,300 ft. each of 12 and 15 in. vitr. clay pipe, 1,500,000 gal. and 1,300,000 gal. 70 ft. high stand pipes, pumps, motors, etc. $45,000. Bruce & Grupe, 710 Bankers Reserve Bldg., Omaha, engrs. Noted Dec. 2.

B. C., Vancouver—Dec. 21, by Greater Vancouver Water Dept., forty 4- to 48-in. water valves. $25,000. E. A. Cleveland, 500 Beatty St., water comr. and engr.

Bids Received

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Dec. 3, mains in Washington and Wortman Aves., Front, Hemlock Sts., etc., here, from Empire Contg. Co., 100 West 89th St., New York City, $11,235. Noted Nov. 25.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Dec. 3, mains in Bennett, 8th, Fort Washington Aves., etc., Manhattan Boro, from Melrose Constr. Co., 103 East 128th St., $15,400; and in Beach, Bronxwood, Gainsborg Aves., etc., Bronx Boro, from Knight & DeMicco, Inc., 448 East Tremont Ave., $5,870. Noted Nov. 25.

O., Cleveland—Bd. Comrs. Cuyahoga Co., Nov. 24, 7,000 ft. 6 and 12 in. c.i. mains in Brecksville and Schaaf Rds., Impvt. 455, from W. B. Smith, 1359 West 89th St., $23,874; also 4,000 ft. 6 in. in Stone Rd., from E. P. Langenhan Co., Marshall Bldg., $19,244. Noted Nov. 18.

Wis., Eagle River—W. Gander, city clk., Nov. 22, water supply, well, etc., from Gray Well Drilling Co., 290 3rd St., Milwaukee, $27,400. Noted Nov. 18.

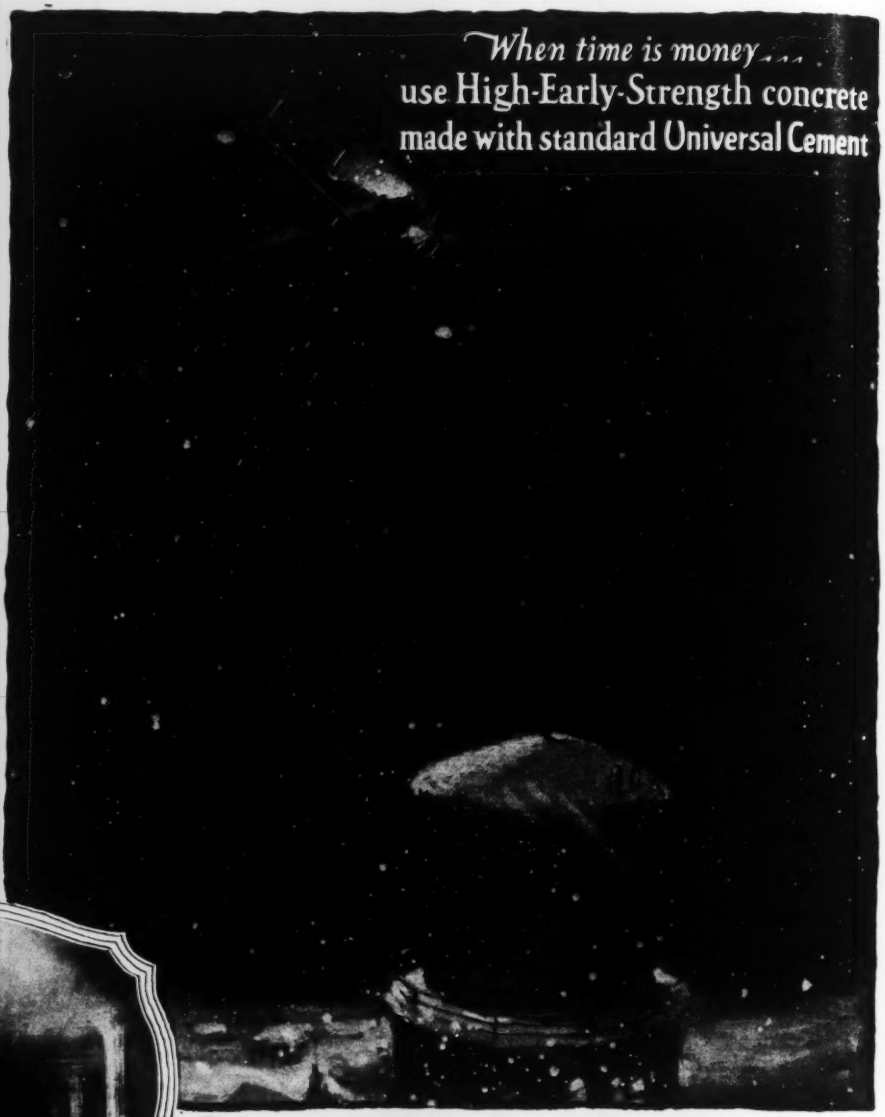
Contracts Awarded

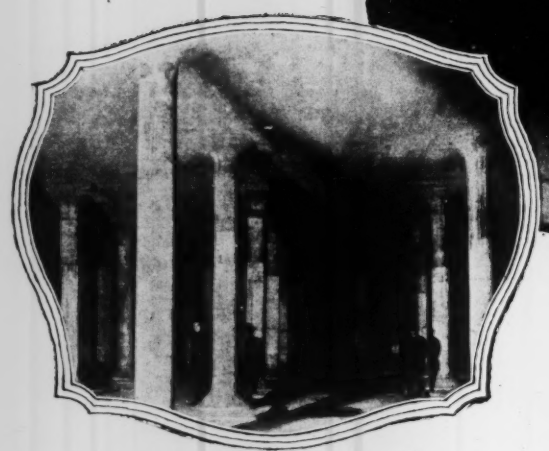
N. C., Durham—For 8 and 10 in. mains connecting Hope Valley development with city system, to McClelland Co., Charlotte, $28,700. Noted May 27.

La., Franklin — To O'Toole Constr. Co., Shreveport, waterworks, incl. clearing and grubbing $300, gravity line to lake suction pump $1,800, lake pump house and suction well complete $1,500, and laying lake pressure line complete $20,400; to C. J. Montgomery, Kaplan, earthen raw water reservoir $9,450, foundation for booster pumps $136, fire pump foundation $136, mechanical filtration plant $27,500, ½ m.g. clear water reservoir $15,000, 2 phase electric transmission line $9,450, installing pipe connections at plant $890, construction booster foundation $1,750, also removing and installing bayou pumps $550; to Layne-Louisiana Co., 210 West Broad St., Lake Charles, lake pump, $2,750; to Fairbanks, Morse & Co., 1000 St. Charles St., New Orleans, pumping equipment, $7,481; to Lyman C. Reed, Hibernia Bank Bldg., New Orleans, automatic electric controls, $973; to Dixie Mill & Supply Co., 901 Tchoupitoulas St., New Orleans, submerged intake line $1,212, furnishing pipe, valves and fittings for plant connections $2,000, and certain c.i. specials $775; to Amer. Cast Iron Pipe Co., 2700 North 24th St., Birmingham, Ala., c.i. pipe for lake pressure line, $40,500. Grand total $142,103. Noted Nov. 4.

O., Bay Village—Mains in 8 streets, to Kassouf & Co., 2600 Althen Ave., Cleve-

Constr. News page 372





Water Tank, Boonville, Ind. Cold-weather construction facilitated by High-Early-Strength ***Universal*** concrete. Standard ***Universal*** (not special) cement used by Roth Construction Co., Boonville.

Cold Weather No Obstacle On This Job!

Winter concreting, always practicable, is made more feasible than ever by High-Early-Strength concrete.

In this way, a water tank and pumphouse at Boonville, Ind., was built and placed in service before work ordinarily would have been started.

By keeping aggregates warm and the structure protected, and by using High-Early-Strength *Universal* concrete, the builder shortened the period of protection from freezing, hastened removal of forms and finished the job weeks earlier than is usual.

High-Early-Strength concrete made by using special methods and standard *Universal* (not special) cement furnished at the usual price gives not only speed but also permanently better and stronger concrete. The accompanying coupon will bring full details.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago.

Without obligation, please send me detailed information on methods for securing strong Concrete in 3 *days* with standard *Universal* [not special] cement, the same quality *Universal* regularly used.

Name .....

Address .....

ENR 12-9

Waterworks (Continued)

land, $48,911; and 3 streets, to Sprague & Burkhardt, 11810 Browning Ave., $15,-170. Noted Nov. 11.

O., Cleveland—Cuyahoga Co., 6,600 ft. 6- to 12-in. c.i. mains in Dover Center Rd., Impvt. 1253, to Kassouf & Co., 2600 Althen Ave., $25,873. Noted Dec. 2.

O., Euclid—Mains in Sherwood Forest Subdivision, to Iafornaro & Nero Constr. Co., Union Mortgage Bldg., Cleveland, $36,075. Noted Nov. 18.

Mich., Detroit—Dept. Water Supply, 26,-235 ft. 6- to 16-in. mains, etc. in various streets, to V. Fintozzi, 3065 Humboldt Ave., $20,220. Noted Nov. 18.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., constructing 5 mi. Sects. 1 and 2 concrete tunnels, 12 ft. interior diam. for portion new water supply, to G. R. Cooke, 1260 Penobscot Bldg., $887,967 and $1,359,745 respectively. Noted Nov. 4.

Ill., Chicago—Dept. Pub. Wks., Room 406, City Hall, 59 tons 3 and 4 in. c.i. pipe, f.o.b. cars Pipe Yard D, 2352 South Ashland Ave., to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $3,048.

Ill., Jerseyville—For 17,000 ft. 4 and 6 in. c.i. mains, etc., in various streets, to H. A. Grabbe Constr. Co., Alton, $17,504. Engrs. est. $19,000.

Ill., Nameoki (mail Granite City)—East St. Louis & Interurban Water Co., 513 Missouri Ave., East St. Louis, will install 4 and 6 in. mains, etc., by day labor. $30,-000. $14,700 bonds voted towards cost.

Ill., Park Ridge—Waterworks improvements, incl. mains, etc., also sewers in various streets, to C. M. Porter, 111 West Washington St., $19,037 and $21,284 respectively.

Ore., Portland—Water Bureau, City Hall, clearing 434 acres for water reservoir, to Heller & Co., 1910 Van Houten St., $171,-060. Engrs. est. $250,000. Noted July 1.

Calif., Los Angeles—City Water & Power Comn., to Amer. Cast Iron Pipe Co., Rives-Strong Bldg., 20,400 ft. 4 in. Class "B" c.i. pipe at $0.4932 per ft. 25,200 ft. 6 in. $0.7117, 6,000 ft. 6 in. Class "C" $0.7728, 16,800 ft. 8 in. $1.02, all above f.o.b. Hewitt station, also 6,000 ft. 4 in. Class "B" c.i. pipe $0.4884, 30,000 ft. 6 in. $0.7043 and 3,600 ft., 8 in. $1.01, f.o.b. San Pedro, total $77,807.

Ont., Maidstone — Twp. Council, 7 mi. mains in various streets, to Merlo, Merlo & Ray, Ford City, $19,500; c.i. pipe, to General Supply Co., 360 Sparks St., Ottawa, $46,000; hydrants and valves, etc., to Canada Valve & Hydrant Co., Brantford. Engrs. est. $85,000.

Sewers

Proposed Work

R. I., East Providence (br. Providence)—Dept. Pub. Wks., plans sewage disposal plant. $150,000 appropriated.

Pa., Allentown—Voted $2,500,000 bonds, sanitary house sewerage; and $500,000 bonds sewers in 6th, 8th, 11th, 12th, 14th, 15th and 16th Wards.

N. C., Raleigh—E. B. Culbreth, mayor, plans issuing $210,000 bonds, extending sewerage system, incinerator, and complete refrigeration system at city market.

La., Winnfield — Making preliminary plans sewers, grading, curbing and hard-surfacing various streets. To exceed $25,-000. Engineer not selected. H. T. Willis, city clk.

Ky., London—Making preliminary plans new 7 mi. sewerage system and disposal plant. H. Ebersalt, mayor. Engineer not selected.

O., Elyria—Voted $900,000 bonds, sewage treatment plant and necessary appurtenances.

O., Hubbard — Voted $100,000 bonds, trunk sewer and sewage treatment plant.

Mich., Detroit—Dept. Pub. Wks. making plans 43,713 ft. 12- to 36-in. vitr. and 2 ring brick sewers in Laterals 4720, 4733, 4734, 4735, 4736, 4738, 4739, 4744, 4746, 4748, 4749 and 4750. P. A. Fellows, City Hall, engr.

Mich., Pontiac—Making plans 2 mi. 15 ft. concrete covered drain in John R St. $6,000,000. A. W. Spencer, Pontiac, drain comr.

Ia., Grinnell — Rejected bids Nov. 23, sewage disposal plant improvements, incl. 425 ft. 24 in. sewers, 3 sections 20 x 40 ft. sedimentation tank, alternate 1 Dorr Clarifier, new dosing tank, flow channels, distribution lines, etc. Will readvertise. R. B. Slippy Eng. Corp., 405 Lafayette Bldg., Waterloo, engrs. Noted Nov. 18.

Minn., Arlington—Making plans sewage disposal plant and sewers in various streets. $30,000. Engineer not announced.

Minn., St. Paul—City, c/o D. W. Birdsall, city clk., making plans Beaver Heights Sewerage System to serve eastern part of city. $250,000. G. M. Shepard, city engr.

Ark., Pine Bluff—See "Waterworks."

Ark., Springdale—See "Waterworks."

Tex., Abilene—Election Dec. 20, $50,000 bonds, sewers in various streets. O. K. Hobbs, city engr.

Okla., Sperry—See "Waterworks."

Calif., Los Angeles — Plans 8- to 24-in. cement and vitr. sewers in portions Cologne St., La Cienega and Robertson Blvds. To exceed $25,000. J. C. Shaw, City Hall, engr.

Bids Desired

Conn., Stamford—Dec. 13, by City, at office City Clerk, Town Hall, sewage pumping station. J. C. Williams, city engr. Fuller & McClintock, 170 Bway, New York City, engrs.; adv. E. N.-R. Dec. 9.

N. Y., Brooklyn—Dec. 15, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, repairing mechanical equipment Gowanus Pumping Station, at head Gowanus Canal; and 26th Ward disposal works building, foot Hendrix St. and Vandalia Ave.

Minn., Minneapolis—See "Materials."

Minn., Montgomery—Dec. 30, by F. J. Busta, city clk., flush tank, sewage disposal plant, and 38,100 ft. 8- to 15-in. vitr. clay sewers, etc., in various streets. $35,000. Former bids rejected. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted Nov. 11.

Ont., Toronto—See "Contracts Awarded."

Bids Received

N. Y., Jamestown—City Council, City Hall, Nov. 29, sewage disposal plant, from Forbes-Murphy Constr. Co., 406 St. Paul St., Baltimore, Md., $139,921. Noted Nov. 11.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Dec. 3, sewers in Paulding Ave., from A. Caserta, 2431 Barnes Ave., $1,013; Randall Ave., from J. C. Brennan & Son, 1667 Popham Ave., $18,901; and St. Paul's Ave., from F. Gabrielle, 1129 8th Ave., $13,013. Noted Nov. 25.

O., Cleveland—Bd. Comrs. Cuyahoga Co., Nov. 24, 14,000 ft. 8- to 42-in. sewer in Walden Ave. and vicinity, from Yahya Bros., 3333 Woodbridge Ave., segment $114,945, brick $116,745, and concrete $110,695. Noted Nov. 18.

Contracts Awarded

Mass., Lynn—City Clerk and City Engineer, City Hall Contr. 5, substructure sewerage pumping station and appurtenances, to Tunnel Constr. Corp., 709 6th Ave., New York City, $185,140; Contr. 6, Superstructure for above, to W. T. Dinneen Constr. Co., Security Trust Bldg., $123,-716; pipe and special castings, to Warren Fdry. Co., 201 Devonshire St., Boston, $19,-984; also valves and sluice gates, to Chapman Valve Co., Indian Orchard, $10,800. Grand total $39,640. This corrects report in Dec. 2 issue.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, branch sewers in Comly St., to Vattieri & Pontarelli, 523 Rising Sun Ave. $8,059, Island St., to Sabatini & Vallone, 1720 South Chadwick St. $2,959, Stiles St., to F. Di Pasquale, 1215 South 7th St. $3,854, and 6th St., to F. T. Buckins, Jr., 4050 Kensington St. $1,416; and main sewers in Mifflin and Elizabeth Sts., to F. C. Gorofolo & F. Berardi, 517 West Tioga St., $29,241 and $13,894 respectively, also G St., to A. D. Sandro & Son, North 5th St. $24,909. Grand total $84,-332. Noted Dec. 2.

Pa., Phila.—See "Streets and Roads."

Md., Baltimore — Bd. Awards, storm drains and sanitary sewers in Sewer Dists. J-3, J-4 and G-13, Storm Water Contr. 98, to F. Angelozzi, 338 Albermarle St., $87,602. Noted Dec. 2.

O., Cleveland—Cuyahoga Co., 8,000 ft. 8- to 18-in. vitr. clay sewer in Mayfield Ridge Rd., Impvt. 315, to Curro & Whittaker, Engineers Bldg. $21,015, and 14,000 ft. 24- to 48-in. in Broadway Rd., Impvt. 900, to D. M. Zullo, 10614 Frank Ave. $254,523; also 12,000 ft., 8- to 36-in. concrete sewer in Pearl Rd., Impvt. 103, to Hanna & Michael Constr. Co., Huron 6th Bldg., $124,238. Grand total $399,776. Noted Nov. 4, 11 and 21.

O., Columbus—W. H. Duffy, dir. Pub. Serv., 1,700 ft. 8 in. vitr. sewer in Suwanee Rd., to A. F. Riley, 392 Thurman Ave., $6,030. Noted Oct. 7.

Mich., Detroit—Dept. Pub. Wks., 2,299 ft. concrete interceptor sewer in tunnel in Jefferson and Parkview Aves., Detroit River Interceptor 1, to J. Brogan & Sons, Green Bay, Wis., $135,312; also regulating chamber in Owen Park, to R. Hidey, 37 Hill St., $19,528. Noted Nov. 11.

Ill., Park Ridge—See "Waterworks."

Ark., Rogers—See "Streets and Roads."

Mo., Maplewood (br. St. Louis) — City Clerk, City Hall, Northwest Maplewood Sewer Dist. 1, to J. J. Donnegan, Shenandoah, Ia., $59,106; and Dist. 2, to J. F. Ansbro & M. B. Maguire, Merchants Laclede Bldg., St. Louis, $46,752. Noted Dec. 2.

Okla., Bethany — Sewage disposal plant, Septic tank, 36,100 ft. 6- to 12-in. vitr. clay sewers, etc., in all streets, to E. W. Baker & Co., 408 Medical Arts Bldg., Oklahoma City, $44,750. Engrs. est. $50,000.

Calif., Alhambra — For Kewen Canon Storm Drain extension, to G. Hey & Co., 456 E St., San Bernardino $25,000.

Calif., Chula Vista — Sewers in various streets, to H. H. Peterson, 357 Spreckles Bldg., San Diego, $73,100.

Calif., Los Angeles—Bd. Pub. Wks., 11.85 mi. storm drain, and 1,354 ft. sanitary sewer in Arroyo de la Sacatela Storm Drain system, Sect. 3, to C. H. Johnson, 1120 Las Palmas St., $993,698. Engrs. est. $1,038,540. Noted Dec. 2.

Ont., Toronto—York Twp., 8 in. and up vitr. tile sewers in Yarrow Rd., Ewart and Trowell Aves., to A. Cavotte, 257 Euclid Ave., $11,715, Runnymede Rd. and Norval Ave., to Mitchell Contg. Co., 55 Greensides Ave. $4,475; Ravenal and Blakeley Aves., to J. Mitchell, 50 Winnett Ave., $5,417; also Duffern, Cliffe and Bride Sts., Bushey and Caledonia Aves., to owners by day labor, $12,718. Grand total $34,325. Noted Aug. 12.

Waste Disposal

Proposed Work

Md., Baltimore—Mayor and City Council, City Hall, making plans 2 story, irregular shaped, rein.-con. and brick incinerator, plain foundation, Herring Run Valley between Philadelphia Rd. and Baltimore & Ohio R.R. tracks. $90,000. C. H. Osborne, City Hall ch. Bureau of Buildings.

N. C., Raleigh—See "Sewers."

Bids Received

N. Y., Niagara Falls—City, W. D. Robbins, city mgr., 150 ton capacity garbage incinerator, from Nye Odorless Incinerator Co., Norfolk, Va., $118,000.

Contracts Awarded

Ala., Birmingham—A. W. Hawkins, city mgr., City Hall, 3 garbage and refuse incinerator plants, one 55 x 100 ft. plant, 180 ton capacity at 35th St. and Powell Ave., one 55 x 60 ft. plant, 90 ton capacity, at Avenue W and Village Creek, Ensley, and other 55 x 60 ft. plant, 60 ton capacity, at 23rd St. and 24th Ave., North Birmingham, all of Sterling type, brick, steel and stone, to Bartlett & Snow, Harvard and East 62nd Sts., Cleveland, O., $352,800. Noted Nov. 11.

Bridges

Proposed Work

Mass., Boston—Commonwealth of Massachusetts, Metropolitan Dist. Com., 1 Ashburton Pl., making plans 5 span 454 ft. rein.-con. highway bridge 80 ft., and approaches across Dorchester Bay. $1,-000,000. J. R. Rablin, 1 Ashburton Pl., engr.

Pa., Allentown—Voted $500,000 bonds, constructing bridge at Tilghman St.; and $262,000 bonds, for free bridge across ravine of Little Lehigh.

Miss., Vicksburg—Warren Co. voted $61,000 bonds, bridges. E. J. Tucker, c/o Warren Co. Highway Comn., Bonelli Bldg., engr.

O., Toledo—Director Pub. Serv. takes bids about Jan. 30, 180 ft. steel truss and rein.-con. slab bridge over Swan Creek, at South St. $90,000. G. A. Taylor, 210 Safety Bldg., engr.

Minn., Minneapolis—Chicago, Milwaukee & St. Paul R.R. Co., C. F. Lowether, ch. engr., Chicago, Ill., Chicago, St. Paul, Minneapolis & Omaha R.R. Co., H. E. Barlow, ch. engr., 275 East 4th St., St. Paul, Northern Pacific R.R. Co., H. E. Stevens, ch. engr., and Great Northern R.R. Co., J. R. W. Davis, ch. engr., both Ry. Exch. Bldg., St. Paul, plan approximately 3,600 ft. steel

Constr. News page 373

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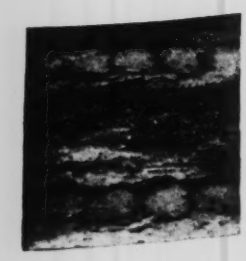

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INDUSTRIAL WORKS - BAY CITY - MICHIGAN

(Bridges (Continued)

and concrete viaduct, on Oak St. between University Ave. and Elm St. S. E., here. $500,000.

Minn., Minneapolis—Great Northern R.R. Co., J. R. W. Davis, ch. engr., St. Paul, and Minneapolis & St. Louis R.R. Co., R. J. Kenly, ch. engr., Transportation Bldg., soon take bids six 130 ft. span steel truss bridge on concrete footings over railroad tracks, at Laurel Ave. $300,000. City Engineering Dept. prepared plans for above.

Oklahoma—State Hy. Dept., Oklahoma City, making plans 2 span 88 ft. rein.-con. trestle bridge at Temple, Cotton Co., 37.2 tons I-beam steel 19.7 tons reinforcing, 2,700 ft. wooden piling, etc. $27,000, 1 span 84 ft. steel truss bridge over Cobb Creek, near Ft. Cobb, Coddo Co. $40,000, and 4 span 130 ft. rein.-con. trestle bridge over Fourche Maline Creek, near Summerfield, Le Flore Co. $45,000; also making surveys 2 span 240 ft. steel truss bridge on concrete piers over Washita River, at Davis, Murray Co., $37,000. J. M. Page, highway engr.

Okla., Cookson—State Hy. Dept., Oklahoma City, making preliminary plans 3 span, 360 ft. steel truss bridge on concrete piers near here, Cherokee Co. $40,000. J. M. Page, Oklahoma City, engr.

Okla., Ryan—H. Mitchell, Waurika, making preliminary plans 360 span 6,000 ft. pile trestle toll bridge over Red River, Jefferson Co., here. $160,000. Engineer not announced.

N. M., Las Cruces — City, Atchison, Topeka & Santa Fe R.R. Co., C. F. W. Felt, ch. engr., Chicago, Ill., Federal Government, and State Hy. Dept., Santa Fe, making plans 17 span 703 ft. rein.-con. viaduct, here. $90,000.

British Columbia—See "Railways."

Bids Desired

Pa., Phila.—Dec. 15, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., constructing bridge, Contr. 73-1926; also crossing, Contr. 74-1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Pa., Phila.—See "Streets and Roads."

W. Va., Stone Cliff—Jan. 5, by Fayette Co. Court, Fayetteville, substructure for bridge over New River, here. T. Boone, co. clk.; adv. E. N.-R. Dec. 9.

Wis., La Crosse—Dec. 15, by La Crosse Co., Court House, constructing Cronk Bridge, three 28 x 45 ft. rein.-con. deck girder spans, etc. on State Trunk Highway 29, State Project 5850. J. Hintgen, highway comr.

Kan., Alma—See "Streets and Roads."

Missouri—Dec. 13, by State Hy. Dept., Jefferson City, one 6 ft., nine 12 ft., eighteen 20 ft. and eight 24 ft., rein.-con. slab spans, etc., in Jasper, Livingston, Ralls, St. Genevieve and Vernon Counties; two 30 ft., seven 40 ft. and two 45 ft. rein.-con. deck girder spans, etc., in Audrain and Shelby Counties; 25 ft. and 35 ft. I-beam spans, etc., in Carroll and Jackson Counties. B. H. Piepmeier, ch. engr. Noted Nov. 25.

B. C., Kamloops — See "Contracts Awarded."

Bids Received

N. Y., Forestport—T. F. Farrell, comr. Canals & Waterways, 353 Bway., Albany, Nov. 30, removing existing bridge and constructing new highway crossing, etc., at Feeder Lock, here, Contr. M-21, from E. L. Dowd, 1128 Brinkerhoff Ave., Utica, $15,-239. Noted Nov. 18.

New Jersey—State Hy. Comn., Trenton, Dec. 6, three 82½ ft. span concrete, half through plate girder bridge over Passaic River, M. P. 13.5, on Route 12, Essex and Passaic Counties, from Northern Constr. Co., 423 Amherst St., East Orange, $116,-205. Noted Nov. 25.

Pa., Phila. — Director Pub. Wks. and Comrs. Montgomery Co. (Norristown), constructing Green Lane Bridge over Schuylkill River and Manayunk Canal, from Seeds & Durham, 6314 Wissahicken St., $399,157. Noted Nov. 11.

Delaware—State Hy. Dept., Dover, Dec. 1, from Bethlehem Steel Co., Widener Bldg., Phila., Pa., constructing superstructure Market St. Bridge over Christiana River, Wilmington, Contr. 72A, $236,838; clearing, grubbing, grading, and paving with (a) stone (b) slag (*) metal joint (†) non-metal joint, (1) 2.82 mi. Adamsville-Hickman Rd., Contr. 74, (2) 4.28 mi. Greenwood-Adamsville Rd., Contr. CS56, from W. W. Truitt, Lincoln City. (a*1) $67,010 (a†1) $66,125 (b*1) $66,837 (b†1) $65,952 (a*2) $94,948 (a†2) $93,818 (b*2) $94,815 (b†2) $93,685. Noted Nov. 11.

Fla., Jacksonville — Comrs. Duval Co., Room 101, Court House, Dec. 1, timber pile bridge over Julington Creek, on boundary St. Johns and Duval Counties, from E. W. Parker, Stovall-Nelson Bldg., Tampa, for Duval Co. (Jacksonville) and St. Johns Co. (St. Augustine). $83,623. Engrs. est. $100,000. Noted Nov. 25.

Contracts Awarded

N. Y., Mount Vernon — Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, stone and rein.-con. arch bridge to carry New York, New Haven & Hartford R.R. tracks over Hutchinson River Parkway, west of Pelham Station, here, to Suburban Eng. Co., 16 West 38th St., New York City, $297,250. Noted Nov. 11.

Georgia—See "Streets and Roads."

Georgia—State Hy. Dept., East Point, bridge over St. Marys River, on Waycross-Jacksonville Rd., State Aid Project G-9-15, Charlton Co., to Sims & Clontz, La Fayette, $62,232; and overhead railroad bridge over Southern Ry. tracks, south of Baldwin, Federal Aid Project 423-B, Habersham Co., to D. G. and R. J. Scott, Decatur, $6,922. Noted Nov. 18.

Ohio—See "Streets and Roads."

Tex., Austin—See "Streets and Roads."

B. C., Kamloops—Canadian Natl. Rys., 230 St. James St., Montreal, will build concrete and steel bridge over Fraser River, here, by day labor, under supervision of W. Walker, Winnipeg, Man., bridge engr. $400,000.

Dams

Proposed Work

Wis., Chippewa Falls—See "Unclassified."

Bids Desired

Va., Roanoke—See "Waterworks."

Calif., Montague — Dec. 14, by R. E. Swigart, secy. Montague Water Conservation Dist., outlet gates and accessories, also 70,000 lb. other fabricated metal work for Shasta River Dam.

Contracts Awarded

N. Y., Caneadea — Caneadea Power Co. (subsidiary Rochester Gas & Electric Corp., East Ave., Rochester), portion of arch dam, 143 ft. high, in Caneadea Creek, above Mt. Morris, to Gannett, Seelye & Fleming, Inc., 52 Wall St., New York City, and 1 North Market St., Harrisburg, Pa., $850,000. Total cost $1,500,000. Noted July 8.

Tex., San Antonio — Sumner Sollitt Co. (contractors), c/o Natl. Bank of Commerce Bldg., sublet contract Dam 5, on Guadalupe River, to R. E. Townsend Co., Brownsville, approximately $150,000; digging canals, to W. E. Callahan Constr. Co., Brownsville, approximately $100,000; electrical equipment, to General Electric Co., River Rd., Schenectady, N. Y.; also hydraulic and mechanical equipment, to J. Leffel Co., Springfield, O., for Texas Central Power Co., c/o Frost Natl. Bank Bldg. Noted Aug. 19.

Railways

Proposed Work

Massachusetts—Boston Elevated Ry. Co., Park Sq. Bldg., Boston, plans surface railway tracks on section Dudley St., Roxbury, also Geneva and Dorchester Aves., Dorchester. $25,000 or more. Private plans.

New Jersey—Morris & Essex R.R. Co., and Delaware, Lackawanna & Western R.R. Co., 90 West St., New York City, plan 0.676 mi. 4 track railroad from connection with main tracks at or near Hoboken tunnels to Jersey City, $2,120,000; also making plans (1st stage) freight depot, at Hoboken. Total cost $12,938,000. G. J. Ray, Hoboken, ch. engr.

Alabama—Muscle Shoals, Birmingham & Pensacola R.R. Co., c/o St. Louis-San Francisco R.R. Co., Frisco Bldg., St. Louis, Mo., F. G. Jonah, ch. engr., soon takes bids grading, bridging, culverts, etc., on 94 mi. railroad from Aliceville to Kimbrough, also later 90 lb. rail laid on right-of-way, here.

Michigan — See "Unclassified under Muskegon, Mich."

Montana—Great Northern R.R. Co., J. R. W. Davis, ch. engr., Ry. Bldg., St. Paul, Minn., plans constructing 33 mi. track between Richey and Circle, here. $900,000.

Montana—Northern Pacific R.R. Co., H. E. Stevens, ch. engr., Ry. Exch. Bldg., St. Paul, Minn., plans 63 mi. railroad from Glendive through Circle to near Brockway, $3,000,000; also 25 mi. from Florence through Stevensville to Hamilton, $1,000,000.

British Columbia—Pacific Great Eastern Ry., T. Kilpatrick, genl. mgr., Vancouver Blk., Vancouver, made plans replacing existing wood bridges with steel or fills and general reconditioning right-of-way and equipment from Squamish to Lillooct. $3,000,000. $1,000,000 to be voted in January by Provincial Government for above.

Bids Received

California — Supervs. Los Angeles Co. Flood Control Dist., Los Angeles, from United Commercial Co., 234 Stuart St., San Francisco, 1,800 or 1,900 tons standard gauge track rails for 16.2 mi. railway in San Gabriel Canyon, No. 1 75 lb. rail at $44 per gross ton, 75 lb. relay $34.90, 80 lb. relay $39, and 37,000 No. 1 O. P. ties $31.50 per M ft.; from J. Key, 750 Bay St., San Francisco, 68 lb. rail at $36.98 per ton; and from C. R. McCormick Lumber Co., 215 Market St., San Francisco, cross ties $26.95 per M, total $55,161. Noted Nov. 25.

Contracts Awarded

Alabama and Mississippi—Muscle Shoals, Birmingham & Pensacola R.R. Co., c/o St. Louis-San Francisco R.R. Co., Frisco Bldg., St. Louis, Mo., F. G. Jonah, ch. engr., grading, bridging, culverts, concrete sluices, etc., on 57 mi. roadway between Aliceville, Ala., and Aberdeen, Miss., to Ross-Wogan & Co., Railway Exch. Bldg., Kansas City, Mo. Noted Jan. 10.

Mississippi and Alabama—Meridian & Bigby R.R. Co., c/o S. A. Neville, pres., Meridian, Miss., 50 mi. standard trunk line railroad, 90 lb. ballasted track, creosoted bridges, etc. from Meridian, Miss., to Myrtlewood, Ala., to J. A. Perdue & Co., Pine Bluff, Ark. Noted Sept. 23.

Panama—Government of Panama, 51 km. 36 in. gauge railroad from Concepcion to Puerto Armuelles, as extension of Chiriqui Natl. R.R., constructing 1,300 ft. rein.-con. pier at new deep water harbor at Puerto Armuelles, also 45 structural steel and 13 girder bridges at various points, to F. H. Arosemena of Panama. Engrs. est. $3,000,000. Contractor contracted with J. G. White Eng. Corp., 342 Madison Ave., New York City, N. Y., to act as engineers for design of wharf and carry out complete construction of both wharf and railroad.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ia., Hawarden — Making preliminary plans changing course of Dry Creek, incl. 3 mi. ditching, 2 railroad culverts, etc. $50,000. K. C. Gaynor, 527 Trimble Blk., Sioux City, engr.

Texas—Kinney Co. (Bracketville) and Maverick Co. (Eagle Pass) Water Impvt. Dist. 1, c/o W. L. Rockwell, engr., Eagle Pass, soon take bids irrigating 60,000 acres, water will be used from Rio Grande River. $1,000,000.

Tex., Brownwood — Brown Co. Water Conservation Dist., c/o A. C. Bratton, Chamber of Commerce, voted $40,000 bonds, preliminary work, and plans election soon $1,500,000 bonds, constructing dam below junction Jim Ned Creek and Pecan Bayou, 9 mi. north of here. J. H. Ross, c/o Brady Bldg., San Antonio, and P. A. Welty, Wichita Falls, engrs. Noted Nov. 11.

Tex., Karnes City — Karnes Co. Water Impvt. Dist., c/o J. B. Carrington, engr., c/o Bedell Bldg., San Antonio, plans irrigating approximately 40,000 acres, here. $1,500,000. Noted Nov. 4 under "Texas."

Contracts Awarded

N. J., Long Beach — City Comn., 2 jetties at Northern end of city, to J. A. Howland, Rumson, $76,000. Noted Nov. 18.

La., Shreveport — Bd. State Engineers, Court House, New Orleans, approximately 2,100 ft. bank protection in Shreve Island Bend, Red River, Caddo Parish, to A. W. Farney, Shreveport, $42,116. Noted Nov. 11.

Mich., L'Anse—Bd. Educ., T. D. Tracy, secy., excavation for 2 story and basement, 90 x 250 ft., rein.-con., brick and tile high school, plain foundation, to H. Gundlach, Houghton. Noted Oct. 7 under "Buildings —Commercial."

Constr. News page 374

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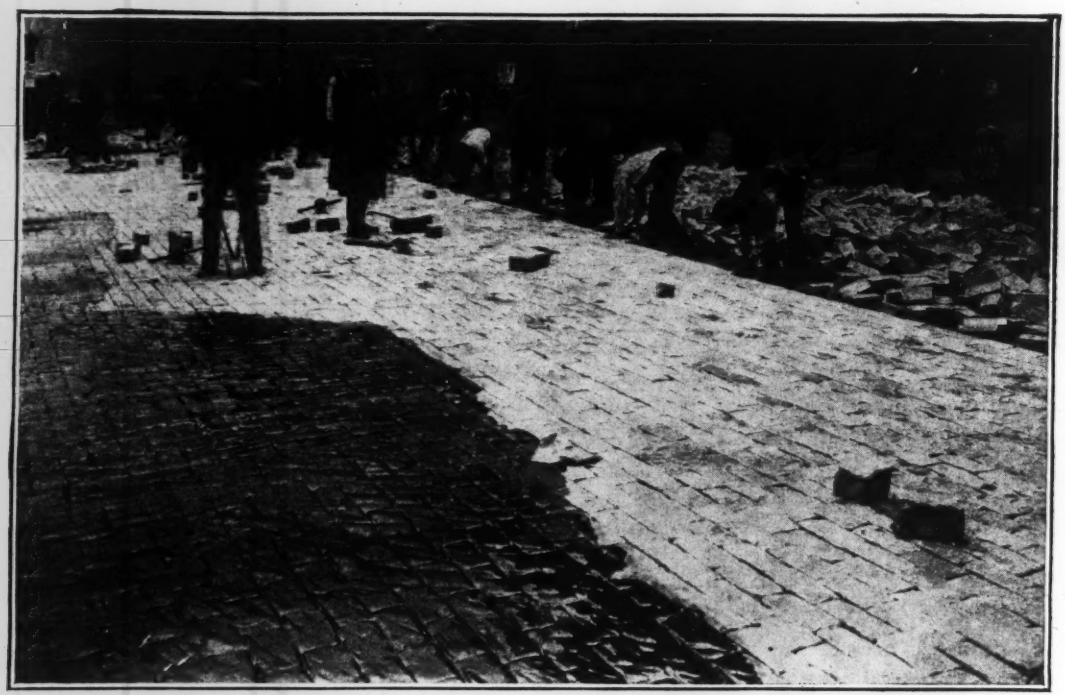

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Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

Wis., Kenosha — See "Buildings — Commercial under Proposed Work."

Wis., Oshkosh—R. McMillen Co., 633 High St., excavating for 2 story, brick and timber factory addition, plain foundation, to B. Ganther Co., 117 Main St. Archts. total est. $40,000.

Streets and Roads

Proposed Work

Massachusetts—Dept. Pub. Wks., Boston, plans rein.-con. or bituminous macadam paving 1.8 mi. highway in Attleboro; 1.5 mi. in Braintree and Quincy; 1.8 mi. in Brockton; 2.25 mi. in Seekonk; 3.5 mi. in Westfield; 0.75 mi. in Weymouth; 1 mi. in Wilbraham; 4 mi. in Ashburnham and Westminster; ½ mi. in Beverly; 0.5 mi. in Blackstone and Bellingham; 4.2 mi. in Chatham; 3.5 mi. in Falmouth; 0.4 mi. in Winchester; 2.75 mi. in Raynham and Taunton; and 1.25 mi. in Chelmsford. W. F. Williams, comr.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, plans constructing highway Shawmut Branch Subway Tracks between Geneva Ave. and Peabody Sq., here. To exceed $25,000. J. H. Sullivan, comr.

N. Y., Syracuse — Plans widening 8,500 ft. Geddes St., $171,000; and 10,800 ft. James St., $167,000. N. F. Pitts, Jr., city engr.

W. Va., Charleston—Jefferson Dist. election Dec. 21, $391,000 bonds, improving roads in Kanawha Co. R. R. Barton, Charleston, co. engr.

Georgia—See "Contracts Awarded."

Miss., Natchez—Election soon $50,000 bonds, grading, curbing and paving St. Charles Ave. in Arlington Heights.

Miss., Vicksburg — Warren Co. voted $150,000 bonds, improving Brunswick Rd., etc. E. T. Tucker, c/o Warren Co. Highway Comn., Bonelli Bldg., engr.

Miss., Vicksburg — Warren Co. made plans grading, concrete, warrenite or other hardsurfacing, etc., 1.4 mi. National Cemetery Rd., 22 ft. $50,000 upwards. E. J. Tucker, c/o Warren Co. Highway Comn., Bonelli Bldg., engr. Noted Dec. 2.

La., West Monroe—Election Dec. 14, $50,000 bonds grading, curbing and concrete paving Wood St. from School to 4th Sts., etc.

La., Winnfield—See "Sewers."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Ozone-Roane Co. line Rd., Route 1, Cumberland Co. C. N. Bass, comr.

Tennessee — State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Wartburg-Roane Co. line Rd. C. N. Bass, highway comr.

Ky., Harlan—Harlan Co. election Dec. 28, $400,000 bonds, improving roads.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids after Jan. 1, grading, curbing, walks and vitr. brick paving 5,140 sq.yd. McGowan St. et al, $37,600; 5,855 sq.yd. Winton Ave., $47,000; and 11,645 sq.yd. Pondview Ave. et al, $93,700. E. A. Kemmler, Municipal Bldg., engr.

O., Canton—Comrs. Stark Co. takes bids in spring, improving 3 mi. Brewster-Wilmont Rd., $100,000; 2 mi. Canton-Hartville Rd., $75,000-$85,000; and 5 mi. Canton-North Canton Rd., $200,000. A. M. Wise, Court House, engr. Noted Aug. 5.

O., Jackson—Making plans grading, asphalt, brick or concrete paving, etc., Morton Rd., Bennett Ave., Vaughan, Huron, High, Broad, Columbia and Water Sts. $136,000. A. E. Campbell, city engr.

O., Salem—Plans asphalt resurfacing New Garden St. $25,000. B. M. French, Salem, engr.

O., Toledo—Director Pub. Serv., takes bids in January or February, sheet asphalt and asphalt resurfacing 20,200 sq.yd. Front St., $62,443; grading and sheet asphalt repaving, etc. 9,852 sq.yd. Parkside Blvd., $48,734; and vitr. brick paving 8,190 sq.yd. Greenwood Ave., $48,120. L. T. Owen, 207 Safety Bldg., engr.

O., Toledo—Lucas Co. making plans improving 16.91 mi. Bancroft St., Lenderson Ave., Manley, Salisbury, Shayer, Coder, Monclova, Lose, Keener, Stitt and Weckerly Rds. C. L. Sawyer, co. surv.

Mich., Highland Park (br. Detroit) — Made plans curbing, 3½ in. sheet asphalt on 8 in. concrete paving, etc., 9,719 sq.yd. Thompson Ave. $44,210. L. C. Whitsit, City Hall, engr.

Ill., Belleville—St. Clair Co. making preliminary plans grading, concrete paving, etc. portion Outer Belt Highway. To exceed $25,000. D. Thomas, Court House, engr.

Ill., Blue Island—Takes bids in March grading, curbing and concrete paving various streets. $30,000. A. L. Fox, City Hall, engr.

Ill., Quincy — Making preliminary plans grading, curbing, concrete, asphalt or brick surfacing various streets. $1,500,000. J. F. A. Hasper, mayor.

Ia., Bedford — Defeated $900,000 bonds improving various roads. Noted Oct. 21.

Ia., Corydon — Takes bids in spring grading, curbing and concrete paving and asphalt repaving various streets. Brown & Cook, Ottumwa, engrs.

Ia., Des Moines — Making preliminary plans concrete curbing and sheet asphalt, concrete or vibrolithic concrete paving 7,500 sq.yd. 34th St., $18,000; and widening curbing and sheet asphalt or brick resurfacing East 14th St., $66,790. K. C. Kastberg, City Hall, engr.

Ia., Fremont—Making preliminary plans grading, curbing and concrete paving various streets.

Ia., Hampton — Takes bids in spring grading, curbing and concrete paving 1.5 mi. various streets. Brown & Cook, Ottumwa, engrs.

Ia., Montezuma—Poweshiek Co. plans election $1,135,000 bonds, 6 in. concrete paving 24.5 mi. U. S. Rd. 32, and graveling 152 mi. various roads. C. E. Olson, Montezuma, co. engr.

Ia., Pella—Takes bids in spring grading, curbing and hardsurfacing various streets. $100,000. Brown & Cook, Ottumwa, engrs. Noted Mar. 18.

Ia., Sibley — Dec. 17, at office Auditor Osceola Co., grading, etc. 7 mi. Ashton-Melvin Rd., Project S-69. J. H. Turnbull, Sibley, co. engr.

Ia., Sigourney—Takes bids 1927, grading, curbing and hardsurfacing 40 blocks various streets. Brown & Cook, Ottumwa, engrs.

Ia., Wilton Junction—Making plans paving 25 blocks various streets. Howard R. Green Co., Cedar Rapids, engrs.

Wisconsin — State Hy. Dept., Madison, making plans grading, etc. approximately 50 mi. roads in 7 counties, $387,044; graveling, etc. approximately 242 mi. roads in 27 counties, $2,581,391; concrete paving, etc. approximately 148 mi. roads in 20 counties, $4,367,752; stone surfacing, etc. approximately 79 mi. roads in 12 counties, $789,634; bituminous macadam paving 3 mi. road in La Crosse Co., $43,000; and clay surfacing, etc. 2 mi. road in Forest Co. $25,000.

Wis., Barron—Barron Co., E. Gleason, comr., appropriated $95,000, graveling, etc. various roads, incl. purchasing road machinery.

Wis., Madison—Dane Co., J. R. Caldwell, comr., appropriated $75,000, surface treating gravel road.

Wis., Neenah—City, H. S. Zemlock, clk., making plans concrete paving approximately 13,500 sq.yd. North Commercial St. To exceed $25,000. Winnebago Co. appropriates toward cost. A. E. McMahon, City Hall, Menasha, engr.

Wis., Neillsville—Clark Co., election Apr. 5, $2,390,000 bonds, concrete paving 104 mi. various roads.

Wis., Oconto—P. T. Meeuwsen, city clk., making plans and takes bids in spring improving Chicago St. between Smith and Brazeau Aves. To exceed $25,000. W. B. Hall, City Hall, engr.

Wis., Portage—Columbia Co. J. T. Henton, comr., appropriated $25,000, surface treating gravel roads.

Wis., Stevens Point—Portage Co., T. E. Cauley, comr., plans concrete paving 0.85 mi. Rocky Run-Stevens Point Rd., $30,000; and 6.65 mi. Range Line-North Co. Line Rd., $204,000, both 20 ft.

Wis., Waupaca—Waupaca Co., J. Huffcut, comr., plans concrete paving, etc. 0.5 mi. Bear Creek Corners-East County Line Rd. $14,500, 1 mi. streets in Iola Village $29,000, and 0.5 mi. streets in Scandinavia Village $14,500, and 1.27 mi. State Trunk Highway 18, $36,250, all above 20 ft.; also feather edge graveling 10.5 mi. road, 30 ft., $95,000.

Wis., Wausau—Marathon Co., J. A. Clark, comr., plans concrete paving, etc. 9 mi. Trunk Highway 13, $270,303; 5.76 mi. Athens-Taegesville Rd., $155,825; and 8 mi. Trunk Highway 52, $216,000, all 18 ft.

Mo., Kansas City—Plans widening and repaving 15th St. between Troost Ave. and Main St. $150,000. R. Waddell, city engr.

Mo., St. Louis — Making preliminary plans opening, widening and asphalt on concrete paving 4.5 mi. Kingshighway Northwest, 100 ft. $864,938. City Plan Comn., Municipal Courts Bldg., engr.

Mo., St. Louis—Dept. Pub. Serv., 208 City Hall, soon takes bids asphaltic concrete paving, etc., 2,340 sq.yd. Amelia St., $18,600; asphalt on concrete paving, etc., 1,470 sq.yd. Harney St. $27,600, 2,605 sq.yd. Dolman St. $15,000, and 2,345 sq.yd. 9th St. $15,800; recut granite block paving 4,880 sq.yd. 10th St., $29,000; rein.-con. paving, etc. 1,930 sq.yd. Compton Ave. $9,700, and 2,050 sq.yd. 9th St. $10,650; bitulithic concrete paving, etc. 7,168 sq.yd. Louisiana St., $52,400; also grading, paving, etc. 7,100 sq.yd. alleys in City Blocks 5395, 4530, 3277, 3600, 3601 and 5133, $20,350. W. W. Horner, 300 City Hall, engr.

Ark., Pine Bluff — Making preliminary plans grading, curbing, paving, etc., portion East 5th Ave.; also widening and paving East 6th St. To exceed $26,000. F. Allen, City Hall, engr.

Tex., Canyon—Randall Co. election Dec. 18, $250,000 bonds, hardsurfacing various roads. R. Lester, co. judge. Noted Nov. 4.

Tex., El Paso—El Paso Co. election soon $750,000 bonds, hard paving 60 mi. S roads. E. B. McClintock, El Paso, co. judge.

Tex., Midland — Voted $25,000 bonds, permanent paving various streets. Montgomery & Ward, Wichita Falls, engrs. Noted Nov. 18.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys sheet asphalt paving 63,495 sq.yd. Guthrie-Crescent Rd., Logan Co. $220,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, made plans grading and concrete paving 21,120 sq.yd. Walters Rd., State Highway 5, Cotton Co. $58,000. J. M. Page, highway engr.

California—State Hy. Dept., Sacramento, making plans asphalt or concrete paving road between Pomona and Ontario, $90,000 or more; also shoulders and guttering through Laguna Beach, to exceed $25,000, both Orange Co. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., Huntington Park—Voted $225,000 bonds, improving Pacific Blvd. between Slauson and Florence Sts. Noted Oct. 7.

Calif., Los Angeles — Bd. Supervs. Los Angeles Co. take bids about Dec. 23, 26,643 sq.ft. 8 in. and 244,091 sq.ft. 9-7-7-9 in. concrete paving, etc., Central Ave. Impvt. 82. $79,908. G. W. Jones, Hall of Records, engr.

Manitoba—Provincial Government, Winnipeg, plans constructing highway connecting Trans Canada road between Ontario and Manitoba. $1,000,000.

Bids Desired

Massachusetts—Dec. 14, by Dept. Pub. Wks., Boston, rein.-con. paving 11,886 ft. highway in Seekonk, and 5,347 ft. in Wilbraham; bituminous macadam paving 9,900 ft. in Brockton, 8,610 ft. in Braintree and Quincy, 6,664 ft. in Chelmsford, 3,830 ft. in Weymouth, and 19,050 ft. in Westfield; rein.-con. and bituminous macadam paving 9,564 ft. in Attleborough. W. F. Williams, comr.

Massachusetts—Dec. 21, by Dept. Pub. Wks., Boston, rein.-con. and bituminous macadam paving 15,110 ft. highway in Raynham and Taunton. W. F. Williams, comr.

Mass., Boston—Dec. 10, by Dept. Pub. Wks., sheet asphalt or bitulithic paving Stellman Rd. $25,000. J. H. Sullivan, comr.

New York—Dec. 28, by A. W. Brandt, comr. Dept. Pub. Wks., Albany, improving highways in Fulton, Orange, St. Lawrence and Washington Counties; also reconstructing and bridging in Albany, Allegany, Columbia, Erie, Greene, Livingston, Nassau, Counties, etc.; adv. E. N.-R. Dec. 9.

N. Y., Brooklyn—Dec. 14, by Park Bd., at office Dept. Parks, F. D. Gallatin, pres., Arsenal Bldg., Central Park, 5th Ave. and 6th St., New York City, improving 2nd part Ocean Parkway Terminus, Coney Island, Brooklyn Boro.

N. Y., Brooklyn — Dec. 15, by F. W. Ward, adjutant general, 100 State St., Albany, grading, sidewalks, paving, etc. grounds Brooklyn State Arsenal, here; adv. E. N.-R. Dec. 9.

N. Y., Brooklyn—Dec. 15, by J. J. Byrne, pres. Brooklyn Boro. Boro Hall, grading, etc. Rutland Rd., 74th St., East 29th St., etc.; and grading, curbing and asphalt on 6 in. concrete paving Rockaway and 19th Ave. East 5th and 74th Sts.

Pa., Phila.—Dec. 14, by Dept. Pub. Wks., Bureau of Highways, grading, asphalt and vitr. block paving (assessment work), also improving country roads, repairing bridges, etc. G. H. Biles, dir.

Va., Leesburg—Dec. 14, at office Clerk Loudoun Co., grading, gravel surfacing, etc., 4.46 mi. Hamilton Station-Wheatland Rd.

Ga., Nashville—Dec. 15, by City Clerk, grading, curbing and paving 14,855 sq.yd. various streets. J. B. McCrary Eng. Corp., Citizens Southern Bldg., Atlanta, engrs.

Constr. News page 375

Streets and Roads (Continued)

Fla., Jacksonville — Dec. 20, by Bd. Comrs. Duval Co., macadam or asphalt on shell paving ½ mi. St. Augustine, State Rd. 1; vitr. brick on sand paving 2½ mi. Atlantic Blvd., State Rd. 2, ½ mi. Kings Rd., State Rd. 3, 1½ mi. Orange Park Rd., State Rd. 5, and 0.6 mi. State Rd. 9. F. M. Edwards, 305 Court House, co. engr.

Louisiana—Dec. 16, by State Hy. Dept., Baton Rouge, graveling 8.644 mi. Chatham-Ruston Highway, State Project 419-B, Jackson Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Dec. 21, by State Hy. Dept., Baton Rouge, graveling 12.185 mi. Jennings-Elton Highway, Federal Aid Project 183-A, Jefferson Davis Parish; and 5.393 mi. St. Amant-Port Vincent Highway, Ascension Parish. Also separate bids furnishing gravel for above. W. B. Robert, Reymond Bldg., highway engr.

Kentucky—Jan. 7, by State Hy. Dept., Frankfort, grading, etc. 4.9 mi. Greensburg-Columbis Rd., Federal Aid Project 143-B, Green Co.; and surfacing with alternate types 4.1 mi. Hodgenville-Elizabethtown Rd., Federal Aid Project 118-B, Larue Co. Former bids rejected. E. N. Todd, highway engr. Noted Nov. 25.

Indiana—Dec. 21, by State Hy. Comn., Room 212, State House, Indianapolis, **(F. A. P. means Federal Aid Project)** brick, bituminous concrete and concrete paving 6.897 mi. State Rd. 62, F. A. P. 102, Sect. B, Vanderburg Co.; 5.275 mi. State Rd. 30, F. A. P. 77, Sect. A, Porter Co.; 5.479 mi. State Rd. 30, F. A. P. 77, Sect. B, Porter and Laporte Counties; 10.563 mi. State Rd. 36, F. A. P. 86, Sect. A, Hendricks Co.; 1.365 mi. State Rd. 20 and 12, F. A. P. 91, Contr. 2, and 3.911 mi. State Rd. 41, Project S-501, Sect. D, both Lake Co.; 8.028 mi. State Rd. 62, F. A. P. 102 Sect. A, Posey Co.; 4.792 mi. State Rd. 67, Project 502, Sect. A, Morgan, Marion and Hendricks Counties; 6.708 mi. State Rd. 52, Project S-505, Sect. A, Hancock Co.; and 6.468 mi. State Rd. 52, Project S-505, Sect. B, Hancock and Shelby Counties. W. J. Titus, ch. engr.

Ia., Garner—Dec. 15, at office Auditor Hancock Co., gravel surfacing 5 mi. Miller-Clear Lake Rd., Secondary Road Dist. 7. C. F. Merten, Garner, co. engr.

Kan., Alma — Dec. 22, by Clerk Wabaunsee Co., grading, etc. 4.526 mi. Federal Aid Project 292-F and G, incl. one **60 ft. low truss, and one 37 x 7 ft.** multiple box bridges. Noted Oct. 28.

Wisconsin—Dec. 14, by State Hy. Comn. and State Conservation Comn., at Division Office 9, Madison, improving 1.14 mi. Dewey Park Rd., Sta. 180 to 240, 10,578 cu.yd. earth, 4,777 cu.yd. loose, and 8,697 cu.yd. solid rock excav., etc. J. T. Donaghey, state hy. engr. E. S. Hall, conservation comr.

Missouri—Dec. 13, by State Hy. Dept, Jefferson City, grading approximately 58 mi. roads in 4 counties; 30 ft. grading approximately 117 mi. roads in 6 counties; 18 ft. graveling, etc. approximately 56 in. in 4 counties; 9 ft. concrete paving, etc. 28 mi. roads in 5 counties; and 18 ft. concrete paving, etc. approximately 30 mi. roads in 8 counties; also 9 ft. concrete and 7 ft. gravel surfacing 8.488 mi. in Butler Co. B. H. Piepmeier, ch. engr. Noted Nov. 25.

Tex., Amarillo—Dec. 14, by J. D. Bartlett, city mgr., curbing, guttering, and brick paving 25,000 sq.yd. various streets. $85,-000. H. B. Jones, Amarillo, city engr.

California—Dec. 24, by State Hy. Dept., Sacramento, grading and concrete paving 1.5 mi. road through Laguna Beach, Orange Co. R. M. Morton, Forum Bldg., Sacramento, highway engr. Noted Nov. 18.

Calif., Newport Beach—Dec. 20, by City Trustees, curbing, guttering, walks and 8 in. concrete paving 14,687 sq.ft., 6 in. concrete paving 487,995 sq.ft., 5 in. concrete paving 98,772 sq.ft., and 4 in. macadam paving 222,625 sq.ft. Seaview Ave., etc. P. E. Kressly, H. Hellman Bldg., Los Angeles, engr.

Calif., Ontario — City Trustees taking bids 5 in. concrete paving and street lighting system on A St., etc. To exceed $95,-000. O. S. Roen, city engr.

Calif., San Diego—Dec. 20, by Common Council, grading, curbing, sidewalks and 1½ in. asphaltic concrete on 5 in. concrete paving, etc. 145,828 sq.ft. Ivy 29th and Juniper Sts. F. A. Rhodes, city engr. Noted Nov. 4.

Bids Received

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., Nov. 22, paving with **(a)** Mexican asphalt **(b)** standard asphalt **(c)** brick on **(1)** Colorado Ave. **(2)** Hazelwood Ave. **(3)** Kail St. **(4)** Kosciuszko St. **(5)** Rickert St. **(6)** Sumner Pl. from Walden to Doat Aves. **(7)** Sumner Pl. from Walden to West Shore Aves., from Standard Paving Ltd., Buffalo, **(a1)** $27,175 **(a2)** $24,750 **(a3)** $26,400 **(a4)** $38,845 **(a5)** $6,750 **(a6)** $33,-990 and **(a7)** $25,350; from Rock Asphalt & Constr. Co., Morgan Bldg., **(b1)** $26,763 **(b2)** $24,371 **(b3)** $25,150 and **(b5)** $6,763; from H. P. Burgard Co., 92 Locust St., **(b4)** $39,251 **(b6)** $33,687 and **(b7)** $24,-879; from B. F. Spire, Buffalo, **(c5)** $7,990. Noted Nov. 18.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Dec. 3, from L. Di Minna, 3366 Lorilard Pl., sidewalks on Mace Ave., $26,312 and Continental Ave. $14,184, from M. Del Balso, 2551 Cruger Ave., Radcliff Ave. $18,001, from Asphalt Constr., 2197 Madison Ave., Goodwin Terrace $4,598, from T. DiRoma, 33 Evelyn Pl., Whitlock Ave. $23,412, Paulding Ave. $11,595, Barnes Ave. $5,755, Henwood Ave. $2,813, Pelham Parkway $14,177, also grading Logan Ave. $8,779, and Fenton Ave. $5,312. Noted Nov. 25.

Delaware—See "Bridges."

Md., Baltimore—State Rd. Comn., Nov. 30, sheet asphalt paving 0.68 mi. highway along Fulton Ave., from Amer. Paving Co., Montebello Ave., $82,023. Noted Nov. 25.

Md., Baltimore—Bd. Awards, Dec. 1, sheet asphalt paving 7,000 sq.yd. streets listed in Contr. 380, from P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R. tracks, $34,891. Noted Nov. 25.

O., Cincinnati—Dept. Pub. Serv., Nov. 10, concrete repaving, etc. 26,000 sq.yd. Quebec Ave., from C. Henkel, 138 West University Ave., $249,145. Engrs. est. $279,167. Noted Nov. 4.

Colorado—State Hy. Dept., Denver, clearing, grubbing, grading, piers and abutments for bridge over Colorado River, on Highway 2, Federal Aid Project 254-C, Grand Co., from Hinnare Bros., 3358 Race St., Denver, $12,284. Noted Nov. 18.

Wash., Tacoma—Bd. Pub. Wks., Nov. 25, filling and paving East 15th St., 4,822 sq.yd. asphaltic concrete base, 5,132 sq.yd. asphaltic concrete or bitulithic wearing surface, 35,715 ft. new lumber for bridge from G. M. Savage Co., 502 North Ainsworth St. asphaltic concrete $25,456; and from Albertson, Cornell Bros. & Walsh, 2 South Tacoma St., bitulithic or asphaltic concrete $26,106. Engrs. est. $27,000.

Calif., San Diego—Common Council, Nov. 29, from Griffith Co., 1308 Newton Ave., improving Cable St., etc., 5,326 sq.ft. concrete sidewalk at $0.21 per sq.ft., 236,610 sq.ft. 5 in. asphaltic concrete paving $0.169, and 2,230 lin.ft. concrete curbing $0.65 per lin.ft., etc., total $48,655; also from H. G. Fenton, 1980 Main St., improving Coronado Ave., etc., 82,276 cu.yd. excav. $0.34 per cu.yd., etc., total $31,846. Noted Sept. 23 and Nov. 18.

Cuba—Dept. Pub. Wks., opened new bids this week improving Central Highway, (six bids received) from Warren Bros., 9 Cambridge St., Boston, Mass., $75,800,000; from James Stewart, 17 East 42nd St., and Ulen Constr. Co., 120 Madison Ave., New York City, (combined) cost plus basis; from Foundation Co., 1 Madison Ave., New York City, cost plus basis; and group of Cuban contractors $77,300,000. 2 other bidders, no figures given. Former bids rejected noted Oct. 7.

Contracts Awarded

Rhode Island — State Bd. Pub. Roads, State House, Providence, bituminous macadam paving 3.5 mi. Contr. 2620, in Gloucester, Scituate and Smithfield, to Perini & Apollini, Plainville, Mass. $99,-343. 1.5 mi. Contr. 2619, in Tiverton, to Kelliher Corp., Turners Falls, Mass. $44,-674. 3 mi. Contr. 2624, in Lincoln, and rein.-con. paving 3.4 mi. Contr. 2623, in Cumberland, to P. J. Quinn, Ashton, $90,137 and $146,147 respectively, 1.9 mi. Contr. 2621, in Cranston, to Lane Constr. Corp., 37 Colony St., Meriden, Conn. $79,086, and 2.2 mi. Contr. 2622, in North Kingston, to J. Bristow, Narragansett Pier, $112,558. Grand total $571,945. Noted Dec. 2.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to Duffin Bros., Penn and Womroth Sts., grading Hellerman and Marsden Sts. $6,503, and O St. $1,170, and to W. H. Riddle, 1110 South 31st St., Island Ave. $3,073; to Eastern Asphalt Co., Penn Bldg., asphalt paving (assessment work), Ashford and 74th Sts. $19,242, and Cheltenham St. $56,489, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Charles and Valley Sts. $9,158, to Barber Asphalt Co., 239 North 30th St., Crispin St. $4,272, to Union Paving Co., 123 South 21st St., Sedgwick St. $3,081, 66th St. $13,674, and asphalt repaving 9th St. south of Jefferson St. $5,677; to C. G. Centrone, Bailey Bldg., redressed granite block repaving Grays Ferry and Ellsworth Sts. $4,233, improving Erwig Rd. $7,616, and Park Rd. $2,[illegible]; F. A. Caruso & Son, 804 South [illegible] St., redressed granite block repaving [illegible] St., $24,148; to Mazzola & Marano, [illegible] South 7th St., improving D Rd. $2,550, and N Rd. $775, and to Curtis Bros., State and Tinan Rds., Eden Rd. $4,606; also to M[illegible] and J. B. McHugh, 892 North Markoe St., [illegible] and repaving alleys in Highway Dists. [illegible] and 6, $2,327 and $524 respectively; also to F. T. Buckins, Jr., 4050 Kensington St., sewers in Frankford St., $35,807. Grand total $139,852. Noted Dec. 2.

Md., Baltimore — Bd. Awards, sheet asphalt paving 10,500 sq.yd. streets listed in Contr. 379, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $14,227. Noted Dec. 2.

W. Va., Williamson — Concrete paving Elm St. and extension to Linkous & Warnick, Williamson, $25,920.

Georgia—State Hy. Dept., East Point, **(F.A.P. means Federal Aid Project, and S.A.P. means State Aid Project)** grading 4.39 mi. Baxley-Jessup Rd., F.A.P. 256-C, and 9.573 mi. Baxley-Alma Rd., incl. 2 bridges, S.A.P. G-9-23-B, both Appling Co., to W. Z. Williams, 272 College St., Macon, $16,429 and $65,447 respectively, 11.466 mi. Lyons-Baxley Rd., F.A.P. 427-B, Appling Co., and 6.25 mi. rolled base Clarksville-Franklin Rd., F.A.P. 425-F, Rabun Co., to Shepherd & Williams, Atlanta, $83,419 and $74,328 respectively; grading 10.635 mi. Waynesboro-Swainsboro Rd., incl. 2 bridges F.A.P. 387-B and C, Burke Co., to E. M. Beckham, Perry, $44,892, 8.122 mi. Clarksville-Clayton Rd., incl. 2 bridges F.A.P. 425-F, Habersham Co., to W. H. Anderson, Asheville, N. C. $120,291, 7.39 mi. Hazelhurst-Alma Rd., incl. 1 bridge, S.A.P. G-9-16-A, Jeff Davis Co., to Coofee Constr. Co., Eastman $32,-086, 1.893 mi. Louisville-Swainsboro-Ogeeche River Rd., F.A.P. 168-A, Jefferson Co., to R. H. Caldwell, Thomasville, $15,290; paving 3.564 mi. Oglethorpe-Ft. Falley Rd., S.A.P. G-5-79, Macon Co., and 14.073 mi. Newman-Greenville Rd., F.A.P. 16-A and B, Meriweather Co., to Whitley Constr. Co., La Grange, $90,651 and $316.20 respectively; 2.367 mi. Cordele-Vienna Rd., F.A.P. 94-A, Dooly Co., to A. Brook, 101 Marietta St., Atlanta $56,680, and 7.18 mi. Augusta-Thomas Rd., F.A.P. 362, Richmond Co., to Clausen & Lawrence, Augusta $162,546; chert surfacing 3.24 mi. Elljay-Jasper Rd., incl. 1 bridge F.A.P. 392-D, Gilmer Co., and chert or gravel surfacing 6.49 mi. Jasper-Ellijay Rd., incl. 2 bridges, F.A.P. 392-C, Pickens Co., to Nichols Constr. Co., 1 La France St., Atlanta, $61,631 and $107,415 respectively; surface treating 6.85 mi. Adel-Valdosta Rd., F.A.P. 279, Cook Co., and penetration macadam surfacing 4.16 mi. Americus-Albany Rd., S.A.P. 106-S, Sumter Co., to S. E. Finley, 212 West North Ave., Atlanta, $66,396 and $13,282 respectively. Grand total $1,326,233. Rejected bids grading 3 mi. Appling Rd., Columbia Co.; paving 9.5 mi. Camilla-Allegheny Rd., Mitchell Co. and 8.5 mi. Camilla-Thomasville Rd., Thomas Co. W. R. Neel, highway engr. Noted Nov. 18.

Florida — State Road Dept., Tallahassee, concrete paving 14.96 mi. Project 47, St. Johns Co., to J. B. McCrary Eng. Co., Bankhead Ave., Atlanta, Ga., $393,676, and 3.5 mi. Project 674, Duval Co., to Nelson Bros., Clearwater, $115,554; broken stone base 2 paving 2.14 mi. Project 37-D, Alachua Co., to L. M. Gray, Gainesville, $29,631, and 7.14 mi. Project 648, Hardee Co., to W. P. McDonald Constr. Co., Lakeland, $95,612; concrete curbing and broken stone base 2 paving 14.26 mi. Project 571, Madison Co., to Duval Eng. & Constr. Co., Dyal Upchurch Bldg., Jacksonville, $215,-263; clearing and grubbing 12.59 mi. Projects 718 and 587, Columbia Co., to C. G. Kershaw Co., St. Augustine, $63,170 and $24,706 respectively, 13.46 mi. Project 653, Broward Co., to H. D. Spangler Co., Miami, $69,069, 9 mi. Project 640-A, to S. J. Groves & Sons Co., Orlando, $73,739, and 11.8 mi. Project 640-B, to Lakeworth Constr. Co., Lakeworth, $114,320, both Martin Co., 12.43 mi. Project 698, Leon Co., to Curtis & Gubbins, Cedar Key, $139,716, also 11.51 mi. Project 46, Nassau Co., to W. J. Bryson Constr. Co., 239 West Adams St., Jacksonville, $307,099. Grand total $1,641,555. Noted Dec. 2.

Miss., Jackson—Bitulithic paving Oldham and Grand Aves., to Dunn Constr. Co., Chamber of Commerce Bldg., Birmingham, Ala., $25,966; and concrete paving Mount Vernon St., to Owen & Gaddis, Jackson, $18,159.

Miss., Louisville—Winston Co., improving 14.068 mi. Louisville-Philadelphia Rd., Federal Aid Project 74-B, 27,939 cu.yd. gravel and 62,902 units gravel ½ mi. haul, to Dawson Bros. & Beaver, Inc., Memphis, Tenn., $28,914. Noted Oct. 28.

Constr. News page 376

Streets and Roads (Continued)

Miss., Philadelphia — Grading, curbing and 2 in. Willite on 5 in. concrete paving 10,000 sq.yd. Beacon St., to Merrill Eng. Co., Lamar Life Bldg., Jackson.

Ohio—Highways & Pub. Wks., Columbus, G. F. Schlesinger, dir., grading and paving, etc., 0.259 mi. Sect. "A" Cambridge-Caldwell Rd., Noble Co., and constructing concrete bridge on same road, to Elass-Meyer Constr., Anna, $10,757 and $24,750 respectively; guard rail on Sects. "T" and "U" Ohio River Rd., Brown Co., to E. E. and D. Watters, Portsmouth $5,085, and Sect. "H" Milford-Hillsboro Rd., Clermont Co., to L. D. Kear, Wharton $3,860; also 40 ft. span rein.-con. bridge on Sect. "C" Nelsonville-New Straitsville Rd., Hocking Co., to G. Loomis, Logan, $7,137. Grand total $51,589. Noted Nov. 4.

O., Cincinnati—Grading, curbing, sidewalks and concrete repaving 19,000 sq.yd. Fairbanks Ave., to O'Connell & Sweeney, Florence and Concord Sts., $179,626. Engrs. est. $189,255. Noted Nov. 25.

O., Columbus—Grading, curbing and asphalt paving, etc., 9,620 sq.yd. Linwood Ave., to Franklin Asphalt Paving Co., 209 South High St., $36,323; also 15,935 sq.yd. Glenmont Ave., to B. F. Patterson, 1211 Neil Ave., $86,639. Noted Nov. 4.

Ind., Evansville — Comrs. Vanderburgh Co., bituminous macadam paving Big Cynthiana Rd., to O. Edmonds, 1407 East Deleware St., $102,990. Engrs. est. $109,-642. Noted Dec. 2.

Michigan—E. R. Benkert, resident engr., Port Huron, concrete paving 1,115 mi. T. L. 38-8, 20 ft. Tuscola Co., to Rowe Constr. Co., Sebeawing, for State Hy. Dept., Lansing, $37,111.

Ia., Des Moines—To Wright Constr. Co., 1325 Maine St., paving 4,948 sq.yd. Southwest 7th and Southwest 12th Sts., sheet asphalt at $2.65 per sq.yd., concrete or vibrolithic concrete $2.28, and brick $3.20; also portions Pleasant and eastern half of 10th Sts., asphalt $2.75, concrete or vibrolithic concrete $2.48, and brick $3.03.

Ia., Eddyville — I. S. Burton, city clk., grading and concrete paving 8,960 ft. 3rd and Walnut Sts., to W. E. Harness Constr. Co., Ottumwa, at $2.47 per sq.yd. Noted Oct. 28.

Ia., Greenfield—Adair Co., grading, etc., 125,902 cu.yd. road from Madison Co. line west, to N. C. Neison, Omaha, Neb. $36,-965. Noted Nov. 18.

Ia., Keokuk—To Cameron-Joyce-Smith-Elder Co., Keokuk, improving Grand Ave., 21,728 sq.yd. Warrenite bitulithic paving at $1.51 per sq.yd., 522 ft. curbing and guttering $0.97 per ft., macadam for repairing at $3.60 per ton and extra binder $10 per ton in place. Engrs. total est. $44,024.

Ia., Red Oak—Auditor Montgomery Co., grading, etc., 259,365 cu.yd. Prince Rd., Project 65, to G. W. Condon Co., 514 Federal Reserve Bldg., Omaha, Neb., $59,654. Noted Nov. 18.

Minn., St. Paul—Grading, etc. Lower Afton Rd., to M. Wunderlich, 1171 Charles St., $30,265; and grading, graveling etc. 3 sections White Bear and Hazel Aves., to D. W. Moore, 888 Edmund St., $44,000. Noted Nov. 25.

Ark., Rogers—Grading, curbing, sewers and 6 in. concrete paving 28,635 sq.yd. in Paving Dist. 13, to E. H. Locher, Okmulgee, Okla., $88,431. Noted Dec. 2.

Tex., Austin—Travis Co., grading, reshouldering bridges and crushed gravel surfacing 6.63 mi. Highway 71, 18 ft., to R. Canion, 1412 South 1st St., Austin, $31,-205. Engrs. est. $52,000. Noted Nov. 18.

Tex., Rusk—Henderson Co., 1½ in. Uvalde rock asphalt on 5 in. concrete paving 26,-700 sq.yd. various streets, to Brown & Post, Post-Dispatch Bldg., Houston, $80,-000. Engrs. est. $85,000.

Tex., San Antonio—Bexar Co., rebuilding 4.35 mi. Weber Rd., also asphalt topping and rebuilding 3.8 mi. New Sulphur Springs Rd. in Precinct 4, to C. M. Kelley, 503 Barrett Pl., $25,034. Noted Nov. 4.

Okla., Enid—Garfield Co., 6 in. concrete paving 5.469 mi. State Highway 13, Federal Aid Project 180 A, to Hyde Constr. Co., Enid, $128,838.

Okla., Madill—Marshall Co., grading, etc., 5.03 mi. Project 3A, 30 ft., to J. Ables, Madill, $26,116, engrs. est. $27,000; and 5.468 mi. Roads 4 and 7, 30 ft., to J. P. Reirdon, Madill, $27,446, engrs. est. $29,800.

Okla., Oklahoma City—Grading and 7 in. concrete paving 5,250 sq.yd. West 29th St., to M. A. Swatek, 519 West Main St., $27,-000. Archts. est. $27,500.

Okla., Perry—Noble Co., grading, etc., 50,080 cu.yd. Perry-Red Rock Rd., to W. P. McCoy & Son, Arlington, Tex., $45,005. Engrs. est. $51,200.

Okla., Perry — Noble Co., 6 in. concrete paving 6.079 mi. Sect. 1, Highway 4, Federal Aid Project 139, to Maxwell & Mead, 9 North Boston St., Tulsa, $137,707.

Okla., Ponca City—Grading, curbing and vertical fibre brick paving 8,170 sq.yd. Dist. 66, to R. H. Baldwin, 109 East Grand St., $32,320. Engrs. est. $33,920.

Okla., Shattuck—Grading and concrete paving 12,240 sq.yd. Main St., to E. W. Baker & Co., 408 Medical Arts Bldg., Oklahoma City, $38,772. Engrs. est. $41,000. Noted Nov. 25.

Okla., Tulsa—Grading and sheet asphalt paving, etc., 6,440 sq.yd. in Dist. 757, to Standard Paving Co., 1742 East 6th St., $30,060 engrs. est. $32,000; and 5,670 sq.yd. Dist. 758, to H. L. Cannady & Co., 1122 South Lewis St., $23,193 engrs. est. $25,000.

Colorado — State Hy. Dept., Denver, graveling, etc., 4.351 mi. Highway 1, Federal Aid Project 296-B, Pueblo Co., to Cole Bros., 447 Thatcher Bldg., Denver, $58,061. Noted Dec. 2.

California—State Hy. Dept., Sacramento, widening and 2 in. asphaltic concrete paving, etc. roadway between Salida and McHenry Rds., Stanislaus Co., to Valley Paving & Constr. Co., Visalia, approximately $60,000. Noted Dec. 2.

Calif., Anaheim—Curbing, walks and 5 in. asphaltic concrete paving 398,833 sq.ft. portions South and North Olive Sts., to S. Finley, 204 East 4th St., Santa Ana, at $0.14 per sq.ft. Noted Oct. 28.

Calif., Los Angeles—Improving Upland Ave. between Cabrillo and Meyler Sts., to Griffith Co., Railway Bldg., $31,597.

Calif., Los Angeles—Los Angeles Co., grading and 2½ in. asphaltic concrete paving, etc. 433,480 sq.ft. San Gabriel Blvd., to Hall-Johnson Co., 905 Westminster St., Alhambra, $90,190. Noted Dec. 2.

Calif., Ontario — Grading and 4 in. asphaltic concrete paving, etc., 173,000 sq.ft. 4th St., to Griffith Co., Railway Bldg., Los Angeles, $0.122 per sq.ft.

TUNNEL—DETROIT, MICH.

Bids were opened by Board of Water Commissioners, Oct. 20, (lowest four and highest) for constructing Section No. 2 of Springwells Tunnel, from (A) G. R. Cooke Co., Penobscot Bldg. (awarded contract); (B) Smith Bros., Dallas, Tex.; (C) B. Hayes, Inc., Detroit; (D) John F. Casey Co., Pittsburgh; (E) Mark R. Hanna Co., Detroit. The unit bids are as follows:

	A	B	C	D	E
833 cu.yd. shaft excavation	$18.00	$11.00	$50.00	$14.00	$50.00
Air compressor plant (lump sum)	40,000.00	20,000.00	30,000.00	39,500.00	40,000.00
85,360 cu.yd. tunnel excavation	5.92	8.45	8.40	9.68	15.00
34,205 cu.yd. tunnel concrete	21.70	17.85	17.60	15.45	35.00
34,205 cu.yd. tunnel brick masonry		26.00			
2,175 bbl. grout	6.00	10.00	10.00	6.00	6.00
60 cu.yd shaft concrete	25.00	17.85	30.00	20.00	40.00
773 cu.yd. shaft backfill	4.00	6.00	2.00	1.50	6.00
136 ft. M. b.m. timber ordered left in place	50.00	100.00	110.00	40.00	100.00
22,500 lb. reinforcing steel	.06	.07	.08	.06	.10
20 cu.yd. miscellaneous excavation	6.00	11.00	20.00	14.00	50.00
10 cu.yd. miscellaneous concrete	25.00	25.00	30.00	20.00	50.00
335 ft. alignment holes	6.00	10.00	15.00	14.50	20.00
Engineer's field office (lump sum)	5,000.00	8,000.00	3,500.00	8,000.00	7,000.00
Cleaning up (lump sum)	24,000.00	18,000.00	1,500.00	7,000.00	30,000.00
Extended totals	$1,359,746	$1,433,468	$1,443,263	$1,448,451	$2,640,363

Buildings — Commercial

Proposed Work

Me., Augusta — HOSPITAL — Augusta State Hospital, E. Tyson, supt., having sketches made by H. S. Coombs, 11 Lisbon St., Lewiston, 3 story and basement, brick and stone addition, plain foundation. $150,000.

Vt., Rutland—JAIL—State, c/o Comrs. Rutland Co., having plan prepared by A. H. Smith, Gryphor Bldg., rein.-con., brick and steel jail. $150,000.

Mass., Mansfield — THEATRE and STORE—P. F. McDonald, 18 Canal St., Boston, having plans prepared by L. G. Foster, North Main St., 2 story and basement, 70 x 120 ft., brick, stone and steel, plain foundation. $160,000.

R. I., Providence—THEATRE—P. F. McDonald, 168 Canal St., Boston, Mass., having plans prepared by L. G. Foster, North Main St., Mansfield, Mass., brick and steel, here. $150,000.

R. I., Providence — THEATRE — A. C. Emery, 36 Exchange St., rejected bids Nov. 13, 2 story and basement, 100 x 155 ft., brick, stone and steel, plain foundation, Hope and 4th Sts. To exceed $150,000. Will readvertise later. J. F. O'Malley, 84 Broad St., Pawtucket, archt. Noted Nov. 11.

Conn., Hartford — THEATRE — Reliable Furniture Co., 1407 Main St., having plans prepared by Storrs & Feinberg, 1127 Main St., 2 story, 87 x 210 ft., brick, steel, stone, and terra cotta, Park St. $200,000.

N. Y., Bronxville (Ind. br. Yonkers) — APARTMENT—Dellman Realty Co., Inc., c/o C. Kreymborg & Son, archts., 2534 Marion Ave., New York City, having plans prepared 6 story, brick, steel and stone, plain foundation, Cedar St., here. $250,000.

N. Y., Brooklyn—APARTMENT—S. Silk, 475 5th Ave., New York City, having plans prepared by Slee & Bryson, 154 Montague St., 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, here. $400,000.

N. Y., Brooklyn — HOSPITAL, NURSES HOME and DORMITORY—Jewish Hospital, Classon Ave., having plans prepared by Crow Lewis & Wick, 200 5th Ave., New York City, 10 story, brick, steel and stone, plain foundation, Prospect Pl. $2,200,000.

N. Y., Brooklyn—HOTEL—Upania Club, Inc., c/o L. E. Jallade, archt., 129 Lexington Ave., having plans prepared brick, steel and stone, plain foundation, 36-40 Lawrence St. $250,000.

N. Y., Brooklyn — THEATRE — B. S. Moss Theatrical Enterprises, 1664 Bway., New York City, having plans prepared by E. DeRosa, 15 West 44th St., New York City, 1 story, brick, steel and stone, plain foundation, 4923 5th Ave., here. $400,000.

N. Y., Brooklyn — THEATRE and OFFICE—Garned Realty Co., 489 5th Ave., New York City, soon takes bids 3 story, brick, steel and stone, plain foundation, Ocean Ave. and Kings Highway, here. $1,-000,000. P. LaVelle, 505 5th Ave., New York City, archt.

N. Y., Buffalo—COMMUNITY CENTER—Jewish Federation for Social Service, C. Polakoff, 218 Prudential Bldg., plans community center. $500,000.

N. Y., Buffalo—HOTEL—W. D. Irish, 202 Main St., had sketches made by Lewis & Hill, 892 Main St., hotel, here. $450,000.

N. Y. New York—APARTMENT—Nalpak Holding Corp. c/o G. G. Miller, archt., 1482 Bway., having plans prepared 6 story, 85 x 131 ft., brick, steel and stone, plain foundation, Davidson Ave. $300,000.

N. Y., New York — APARTMENT — Six Hundred Thirty-Nine West End Avenue Corp., c/o Gronenberg & Leuchtag, archts., 1385 Bway., having plans prepared 15 story and penthouse, 64 x 100 ft., brick, steel and stone, plain foundation, 91st St. and West End Ave. $500,000.

N. Y., New York—APARTMENT—Wisk Building Corp., c/o W. I. Hohauser, Inc., archt., 1400 Bway., having plans prepared 6 story, 87 x 93 ft., brick, steel and stone, plain foundation, Phelan Pl. $175,000.

N. Y., New York—BANK and OFFICE—Chase Natl. Bank, A. H. Wiggin, pres., 57 Bway., plans 30 story, 75 x 150 ft., bank and office, 14 Nassau St. $10,000,000. Engineer and architect not selected.

N. Y., New York—GARAGE—Columbia Metal Box Co., c/o G. A. Bagge & Sons, archts., 157 East 44th St., having plans prepared 3 story, 131 x 190 ft., brick, steel and stone, plain foundation, Rider Ave. and 142nd St. $300,000.

N. Y., New York—OFFICE—See "Buildings—Industrial."

N. Y., Syracuse — THEATRE and OFFICE—Marcus Loew, 1540 Bway., New York City, having plans prepared by T. W. Lamb, 644 8th Ave., New York City, 8 story and basement, 128 x 273 ft., rein.-con., brick and steel, plain foundation, Jefferson and South Salina Sts., here. $2,000,000.

N. Y., Utica—THEATRE and STORE—Stanley-Mark Strand Corp., c/o J. E. Mastbaum, 1916 Race St., Phila., Pa., having plans prepared by Hoffman-Henon Co., Finance Bldg., Phila., Pa., theatre, 4,000 seating capacity and store building, 161 Genessee St., here.

Constr. News page 377

Buildings—Commercial (Continued)

N. J., Atlantic City—HOTEL—Owner, c/o L. I. Brooks, archt., 65 Madison Ave., New York City, soon takes bids 19 story and basement, brick, steel and stone, plain foundation, here. $1,500,000.

N. J., Elmer—THEATRE—B. A. Harrison, 3 Pine St., Westville, having plans prepared by J. E. Sindoni, Norwood and McKean Sts., Phila., Pa., 1 story and basement, 50 x 100 ft. theatre, here.

N. J., Merchantville (Ind. br. Camden)—APARTMENT and STORE—D. W. Black, 323 Market St., Camden, having plans prepared by Edwards & Green, 548 Federal St., Camden, 3 story and basement, brick and steel, plain foundation, here. $170 000.

N. J., Newark — OFFICE, BANK and CHURCH — Owner, c/o G. and E. Blum, archts., 415 Lexington Ave., New York City, having preliminary plans prepared 28 story, office, bank and church, Market St. and Essex Court.

Pa., Lancaster—Y. M. C. A. having plans prepared by C. E. Urban, Woolworth Bldg., 4 story and basement, 60 x 69 ft., rein.-con., brick and steel, plain foundation.

Pa., Phila.—HOSPITAL and ADMINISTRATION—H. W. Caster, archt., St. Girard Bldg., soon lets contract 7 story and basement, 45 x 202 ft. maternity hospital, and 2 story and basement, 45 x 93 ft. administration building, both rein.-con., brick and steel, plain foundation, 13th and Tabor Sts., for Jewish Hospital. Noted Nov. 25.

Pa., Phila.—HOSPITAL—Howard Hospital, S. L. Kmeass, chn. building com., 1600 Hamilton St., having plans prepared by Ballinger Co., 12th and Chestnut Sts., hospital, Broad and Catharine Sts.

Pa., Phila.—HOSPITAL—Memorial Hospital of Roxborough, c/o W. McBridge, supt., Ridge Ave. and Jamestown St., having plans prepared by F. R. Watson, 1520 Locust St., 4 story and basement, brick, steel and concrete, Houghton and Rector Sts. $200,000.

Pa., Phila.—THEATRE and STORE—Ballinger Co., archts., 12th and Chestnut Sts., soon lets contract 1 and 2 story and basement, 144 x 178 ft., rein.-con., brick, steel and terra cotta, plain foundation, Ridge and Leverington Aves., for Felt Bros., Packard Bldg.

Pa., Pittsburgh—STORE—Kaufmann & Bair Co., 6th and Smithfield St., having plans prepared by J. P. Piper, Oliver Bldg., and soon takes bids altering interior department store, Smithfield St. $250,000.

Pa., Stonehurst (suburb of Phila.) — THEATRE and STORE—Stanley Co. of America, 1916 Race St., Phila., having plans prepared by Hoffman-Henon Co., Finance Bldg., Phila., theatre, 3,000 seating capacity, Ashby Rd. and 69th St.

O., Akron—THEATRE and ARCADE—Loews Theatre Corp., 1540 Bway., New York City, plans 2 story and basement, theatre and arcade, South Main St., here. $1,500,000.

O., Cincinnati—Y. W. C. A., 20 East 8th St., having plans prepared by Rendigs, Panzer & Martin, Southern Ohio Bank Bldg., 7 story and basement, brick and rein.-con., plain foundation, Walnut St. $700,000.

O., Cleveland—APARTMENT—Material Realty Co., c/o J. Soglovitz of City Material Co., 5217 Woodland Ave., had plans prepared by G. E. Rudolph, 3922 Trumbull Ave., 3 story and basement, 38 x 205 ft., brick, 1664 Crawford Rd. $225,000.

Ind., East Chicago—HOSPITAL—Manufacturers Assn. having preliminary plans prepared rein.-con., brick and steel hospital. $1,200,000. Engineer and architect not selected.

Ind., Indianapolis — HOTEL — James Whitcomb Riley Hotel, Kentucky Ave. and Illinois St., had plans prepared by Rapp & Rapp, 190 North State St., Chicago, Ill., 16 story and basement, 190 x 240 ft., rein.-con., brick and steel hotel. $3,250,000.

Ind., Indianapolis — HOTEL — N. A. Perry, 48 Monument Pl., having preliminary plans prepared 195 x 203 ft. hotel, Pennsylvania and Ohio Sts. $3,000,000. Engineer and architect not selected.

Mich., Royal Oak (Ind. br. Detroit)—THEATRE, OFFICE and STORE—Washington Stores Co., c/o F. D. Madison, archt., Royal Oak, having plans prepared 3 story and basement, rein.-con., brick and steel, plain foundation, 4th and Washington Sts. $2,000,000.

Ill., Chicago—APARTMENT and STORE—Syndicate, c/o E. A. Grunsfeld, 431 North Michigan Ave., having plans prepared by E. A. Grunsfeld & A. Klaper, 431 North Michigan Ave., 17 story and basement, 74 x 102 ft., rein.-con., brick and Indiana limestone, 101-109 East Delaware Pl. $1,500,000.

Constr. News page 378

Ill., Freeport — TEMPLE — Freeport Masonic Lodge, 315-21 West Stephenson St., L. L. Munn, chn. building com., takes bids in spring, 3 story and basement, 110 x 120 ft., concrete, brick and stone, Walnut and Stephenson Sts. $300,000. Law, Law & Potter, 1st Central Bldg., Madison, Wis., archts. Noted Dec. 2.

Ill., Glen View — SANITARIUM — Glen View Lodge, 612 North Michigan Ave., having sketches made by Hooper & Janusch, 879 North State St., Chicago, H shaped building, incl. swimming pool, gymnasium, etc., Wagner Rd. $1,250,000.

Ill., Springfield — BANK — Springfield Marine Bank, 114 South 6th St., having plans prepared by Helmle & Helmle, engrs. and archts., 1st Natl. Bank Bldg., and takes bids in spring remodeling and constructing rein.-con., brick and stone addition, plain foundation, 114 South 6th St. $200,000.

Ill., Springfield — OFFICE — G. and L. Kerosotes soon lets contract 3 story and basement, rein.-con. and brick, plain foundation, 6th Ave. $150,000. C. Meyers, Meyers Bldg., archt. and engr. Noted Nov. 25.

Ill., Springfield—STORE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., preparing plans 3 story store building, Adams St. between 5th and 6th Sts., here. $150,000. Work will be done by contract or day labor in about 4 weeks.

Wis., Kenosha—THEATRE and BUSINESS—C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., prepared plans and take bids about Dec. 8, 2 story and basement, brick, steel and concrete, plain foundation, Market St., for Saxe Amusement Enterprises, 530 Grand Ave., Milwaukee. $500,000. Excavation for above awarded to Leutriz & Klemm, 313 Julius St. Noted Aug. 5.

Wis., Milwaukee—APARTMENT—I. H. Benesch Co., 583 Jefferson St., having plans prepared by A. J. Kenney, 583 Jefferson St., 3 story and basement, 57 x 105 ft., rein.-con., brick and tile, plain foundation, Astor St. $150,000.

Ia., Cedar Rapids—THEATRE and OFFICE — W. F. Naibert Realty Co., 220 Grandby Bldg., having preliminary plans prepared by Peacock & Frank, 445 Milwaukee St., Milwaukee, Wis., 4 story and basement, 80 x 210 ft., rein.-con., brick and terra cotta, 3rd Ave. and 2nd St. $750,000.

Ia., Keokuk—HOSPITAL—W. C. Graham Protestant Hospital Assn., c/o Graham Hospital, having plans prepared by M. J. Geise, Y. M. C. A. Bldg., 3 story and basement, 100 x 200 ft., rein.-con., brick and stone, 424 North 15th St. $400,000.

Minn., St. Paul—HOSPITAL—Childrens Hospital Assn., c/o W. H. Ramsey, doctor, 459 Lowry Bldg., rejected bids Oct. 5, 4 story and basement, rein.-con., brick and stone, Pleasant Ave. $250,000. C. H. Johnson, 360 Robert St., archt. Noted Oct. 28.

Mo., St. Louis — STORE, SCHOOL and APARTMENT—City College of Law & Finance, 322 North Grand Blvd., having preliminary plans prepared 5 or more story, rein.-con., brick and terra cotta, Washington Blvd. near Spring Ave. $500,000.

Ark., Eldorado—CITY HALL and AUDITORIUM—Election Dec. 5, (extended date), $125,000 bonds, rein.-con., brick and stone city hall and auditorium. A. D. Murphy, mayor. Noted Nov. 11.

Ark., Little Rock—Y. M. C. A., 123 East Capitol St., takes bids about Jan. 15, 4 story, 125 x 140 ft., rein.-con., brick and steel building. $250,000. Mann & Stearns, A. O. U. W. Bldg., archts. Noted Nov. 8.

Ark., Texarkana—CITY HALL—Plans election in February, $225,000 bonds, 3 story, rein.-con., brick and stone, East 3rd and Walnut Sts. Witt, Seibert & Halsey, 807 Texarkana Natl. Bank Bldg., archts. Noted Nov. 11.

Tex., Beaumont—OFFICE—J. F. Goodhue and associates takes bids about Jan. 1, general contract 12 story basement, 60 x 118 ft., rein.-con., brick and stone, plain foundation, Pearl and Crockett Sts. $600,000. Excavating and foundation for above will be done by day labor. Tisdale & Stone, Independent Life Bldg., Nashville, Tenn., archts. Noted Nov. 4.

Tex., Galveston—HOTEL—Jean Lafitte Hotel Co., c/o S. Moody, Amer. Natl. Insurance Bldg., postponed receiving date of bids until about Jan. 1, 10 story, 110 x 160 ft., rein.-con., terra cotta, brick and tile, plain foundation. $500,000. A. Fraser, c/o Amer. Natl. Insurance Bldg., archt. Noted Nov. 4.

Tex., Houston — OFFICE — Houstons Buildings Exchange Co., c/o C. A. Thanheiser, 428 West Bldg., had preliminary sketches made by J. Finger, 714 Keystone Bldg., 10 story, rein.-con., brick and stone office building. $500,000.

Tex., San Antonio—CITY HALL—City Com., J. W. Tobin, mayor, takes bids about Dec. 20, 2 or 3 story, rein.-con., brick and stone top addition, Plaza St. Contractors are to submit plans, bids and own architect for same. $250,000. I. Ewig, city engr. Noted Dec. 2.

Tex., San Antonio—COMMERCIAL—E. L. Altgelt and associates, c/o Frost Bank Bldg., purchased site, etc. and plans commercial building, Houston St. between Solidad and Main Sts. $300,000 or more.

Tex., Wichita Falls—CITY HALL and AUDITORIUM—Volcker & Dixon, archts., Kahn Bldg., takes bids about Dec. 10, 2 story and basement, rein.-con., brick and stone, concrete pile foundation, for City, c/o W. E. McBroom, secy. $500,000. Noted Nov. 4.

Okla., Oklahoma City — APARTMENT and STORE—F. M. and W. M. Corp. (business men of city), having plans prepared by J. D. Matthews, 107 West Pottawatomie St., 5 story and basement, 82½ x 120 ft., rein.-con. and brick, plain foundation, Lincoln Blvd. near Capitol St. $425,000.

Wash., Seattle — APARTMENT — E. J. Beardsley (owner and archt.), 2344 Franklin St., preparing plans 4 story and basement, Spanish design, Bellevue Ave. $150,000.

Wash., Seattle—CIVIC AUDITORIUM—City Council plans election in March, $1,000,000 bonds, civic auditorium, 4th Ave. and Republican St.

Calif., Corona — HOTEL — Norco Land Co., 528 South Hill St., having plans prepared by D. Gibbs, 742 South Hill St., 4 story, rein.-con., etc., Norco Hill. To exceed $150,000.

Calif., Marysville—LODGE and CLUB—Marysville Lodge, B. P. O. E., having plans prepared by Dean & Dean, California State Life Bldg., Sacramento, brick and rein.-con. lodge and club building.

Calif., Oakland — HOSPITAL — West Oakland Home for Children, c/o Reed & Corlett, archts., Bank of Savings Bldg., having preliminary plans prepared 2 story and basement, rein.-con., Lincoln Ave. $200,000.

Calif., San Francisco—APARTMENT—Stock, Maas & Sauer, 3300 Washington St., having plans prepared by A. H. Larsen, 447 Sutter St., 4 story and basement, steel and brick, Washington St. near Van Ness Ave. $150,000.

Calif., San Francisco — HOSPITAL — Childrens Hospital, 3700 California St., having plans prepared by Bakewell & Brown, 251 Kearny St., 6 story and basement maternity hospital, Walnut and California Sts. To exceed $150,000.

Calif., San Jose—THEATRE—V. Benson, 1127 The Alameda, had plans prepared by Binder & Curtis, 35 West Santa Clara St., rein.-con., 1,200 seating capacity, The Alameda. Noted Oct. 22.

T. H., Honolulu — WAREHOUSE — Hawaiian Pineapple Co., postponed construction rein.-con. warehouse, for at least 1 year. $325,000. Dickey & Wood, Damon Bldg., archts. Noted Aug. 19.

Bids Desired

Me., Augusta — BANK — First Natl. Granite Bank, 244 Water St., taking bids altering and reconstructing 2 story and basement, rein.-con., brick and steel addition, plain foundation. $150,000. T. M. James Co., 3 Park St., Boston, Mass., archts. Noted Dec. 2.

Mass., Boston — BUSINESS — Security System, c/o L. W. Bease, 21 Bease Pl., taking new bids altering and constructing 5 story and basement, 40 x 115 ft., brick and stone addition, plain foundation, 32-33 Otis St. $160,000. Former bids rejected. W. E. Dibble, c/o T. M. James Co., 3 Park St., archt. Noted Nov. 25.

Mass., Boston—SALES and SERVICE STATION—Pierce Arrow Co., 896 Commonwealth Ave., Boston, taking new bids 3 story, 100 x 300 ft., rein.-con. and steel, plain foundation, Commonwealth Ave. and Alcorn St. $400,000. Former bids rejected. H. C. Cook, 408 Pearl St., Buffalo, N. Y., archts. Noted Nov. 25.

Mass., Great Barrington—APARTMENT—See "Contracts Awarded."

Mass., Lowell — STORE and MASONIC TEMPLE—A. G. Pollard Co., 144 Merrimack St., taking bids 3 story and basement, 70 x 150 ft., and 50 x 70 ft., brick and stone, plain foundation. $150,000. H. L. Rouke, Hildreth Bldg., archt. Noted Nov. 25.

Mass., Springfield — BUSINESS — See "Contracts Awarded."

Mass., Worcester—APARTMENTS—See "Contracts Awarded."

Conn., Hartford—APARTMENT—Kaplan & Rulnick, 288 Trumbull St., taking bids 3 story, 92 x 183 ft., brick and steel apart-

Buildings—Commercial (Continued)

ment. $250,000. Berenson & Moses, 30 Allyn St., archts.

Conn., Hartford—OFFICE—Dec. 14, by Hartford City Gas Co., 565 Main St., 4 story, 90 x 100 ft., brick and steel, Pearl St. $250,000. Buck & Sheldon, 60 Prospect St., archts. Noted Dec. 2.

N. Y., Albany—OFFICE—Jan. 12, by State Office Site & Bldg., Comn., 32 story, state office building, near Capitol $8,000,000. S. W. Jones, Capitol, Albany, state archt. Noted Oct. 28.

N. Y., New York—THEATRE—Dec. 14, by Loews, Inc., 1540 Bway., 20 x 70 x 85 ft., brick, steel and stone, plain foundation, 8-20 Ludlow St. $225,000. T. W. Lamb, 644 8th Ave., archt. Noted Nov. 4.

N. J., Newark—CITY HALL—Dec. 23, by C. P. Gillen, dir. Dept. Parks & Pub. Safety, City Hall, city hall annex, Broad St. $850,000. F. Grad, 1023 Broad St., archt.

Pa., Phila.—APARTMENT—See "Contracts Awarded."

O., Akron—GARAGE, SALES and SERVICE—See "Contracts Awarded."

O., Cleveland — APARTMENT — H. Hradilek, archt., 902 Park Bldg., taking bids 4 story and basement, 51 x 118 ft., brick, 3306 Bosworth Rd. $150,000. Private plans.

O., New Philadelphia—THEATRE—Jan. 15, by Trustees New Philadelphia Elks Lodge, 4 story and basement, brick, stone and concrete theatre, 1,300 seating capacity, East High St. $250,000. Noted Dec. 2.

Mich., Detroit—OFFICE—Donaldson & Meier, 1314 Penobscot Bldg., taking bids underpinning, foundation and excavating for 46 story and basement, 100 x 120 ft., rein.-con., brick and steel, caisson foundation, Fort and Griswold Sts., for S. J. Murphy, Murphy Estate, Penobscot Bldg. Noted July 1.

Mich., Grosse Pointe (br. Detroit) — COMMUNITY—G. W. Graves, archt., 41 John R. St., Detroit, taking bids and opens same about Dec. 15, 2 story and basement, 103 x 116 ft., rein.-con., brick and steel, plain foundation, here, for Grosse Pointe Community. $150,000.

Ill., Chicago—APARTMENT—See "Contracts Awarded."

Ill., Chicago—COURT HOUSE and JAIL—Dec. 20, by Superintendent Pub. Serv., Room 519, Cook County Bldg., general contract, electrical, steam heating, plumbing and ventilating 6 story, 175 x 250 ft., concrete, brick, steel and stone, 5 story and basement, 50 x 148 ft., concrete and brick, and 4 story and basement, 33 x 350 ft., connected by 2 story corridor, concrete, South California Ave. and West 26th St., for Cook Co. $6,250,000. E. Hall, 123 West Madison St., archt. Noted Sept. 16.

Ill., Chicago — THEATRE, HOTEL and STORE—A. Karzas (owner), and C. E. Bettes, archt., both 32 West Randolph St., taking bids general contract 12 story and basement, 275 x 275 ft., 63rd St., Drexel and Maryland Aves. Archts. total est. $5,000,000. This corrects report in Oct. 14 issue.

Wis., Milwaukee—HOTEL—Dec. 13 (extended date), by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, Ill., 23 story and basement, 150 x 200 ft., rein.-con., brick and steel, Grand Ave., for Schroeder Hotel Co., 86 Michigan St. Caisson work for above awarded to Mid-Continent Constr. Co., 6 North Michigan Blvd., Chicago, Ill. Archts. total est. $4,000,000. Noted Nov. 11.

Wis., Milwaukee — THEATRE and STORE—Wolff & Ramstahl, archts., 230 Grand Ave., taking bids excavation and structural steel for 4 story and part basement, 100 x 152 ft., brick, tile and concrete, plain foundation. $250,000. Owner's name withheld.

Mo., St. Louis — BANK — Dec. 20, by Wedemeyer & Nelson, archts., Wainwright Bldg., 1 story and basement, 60 x 150 ft., rein.-con. and stone, Bway. and Mallinckrodt St., for Bremen Bank, 3600 North Bway. $200,000 . Noted Dec. 2.

Calif., Glendale — APARTMENT — See "Contracts Awarded."

Calif., Los Angeles—THEATRE—S. C. Lee, archt., Petroleum Securities Bldg., taking bids rein.-con., terra cotta, and steel, 8th St. and Bway., for H. L. Gumbinder, c/o architect. Noted Nov. 11.

Calif., San Jose—OFFICE and STORE—See "Contracts Awarded."

Calif., Stockton—BANK and OFFICE—H. A. Minton, archt., Bank of Italy Bldg., San Francisco, taking bids 1 story, rein.-con., Hunter and Main Sts., for Bank of Italy, Bank of Italy Bldg., San Francisco. Noted Oct. 22, 1925.

Bids Received

N. Y., Ossining — ADMINISTRATION, etc.—J. L. Long, supt. State Prisons, Capitol, Albany, Nov. 30, administration building, assembly hall, cell blocks "A" and "B," and connecting corridors, from Columbus Contg. Co., 103 Park Ave., New York City, $1,641,000 and $1,662,000; heating, from Danforth Heating Co., Buffalo, $56,950; sanitary work, from Wells & Newton Co., 250 West 27th St., New York City, $237,500; and electrical work, from Mott Electric Co., Rochester, $59,000. Noted Nov. 11.

Pa., Connellsville — HOSPITAL — H. O. Frank, archt., 2nd Natl. Bank Bldg., 3 and 4 story and basement, irregular shaped, brick, stone and steel, from W. H. Smith & Son, Johnstown, for Connellsville State Hospital. $286,000. Noted Oct. 28.

Wash., Seattle—THEATRE—Pretica & Peters, archts., Pantages Bldg., Nov. 19, 9 story and basement, 130 x 232 ft., rein.-con., brick and terra cotta, 9th and Union Sts., from Rounds-Clist Co., Walker Bldg., for Paramount Building Corp. $921,265.

Calif., Visalia—HOSPITAL—Tulare Co., general contract hospital, from Hodgson & Son, Porterville, $62,300. Noted June 24.

Contracts Awarded

Mass., Charlestown (sta. Boston) — STORE and OFFICE—S. M. Howes Co., 519 Medford St., 4 story and basement, brick and stone, plain foundation, to H. L. Hauser Bldg. Co., Inc., 13 Summer St., Boston. Archts. est. $150,000.

Mass., Great Barrington—APARTMENT—E. Smith, Silver St., will build 3 story and basement, 60 x 100 ft., brick and stone, plain foundation, Silver St. Work will be done by separate contracts. $150,000. J. Winchell, 144 Wahconah St., Pittsfield, archt.

Mass., Lynn—BANK—Natl. City Bank of Lynn, A. A. Pinkham, pres., altering and constructing 2 story and basement, rein.-con. and steel addition, 134 Market St., to C. H. Cunningham & Son Co., 23 Central Ave. Archts. est. $150,000.

Mass., Springfield—BUSINESS—B. Kaplan, 170 Orange St., will build 3 story and basement business block, ten 1 story garages, all rein.-con. and brick. $150,000. Work will be done by separate contracts. Private plans.

Mass., Worcester — APARTMENTS — S. Lofman, 50 South Lenox St., will build two 3 story and basement, brick and stone, plain foundations, Main St., by day labor. $150,000. E. Storrs, Avelon St., archt.

N. Y., New York — APARTMENT — Ewing & Ives, 508 Park Ave., 11 story, 90 x 90 ft., brick, steel and stone, plain foundation, to Starrett Bros., 292 Madison Ave. Archts. est. $600,000.

N. J., Atlantic City — CONVENTION HALL—Bd. City Comrs., City Hall, convention hall, to Consolidated Eng. Co., 20 East Franklin St., Baltimore, Md., $4,686,000. Noted Nov. 18.

Pa., Phila.—APARTMENT—J. Lupowitz, 324 West Roosevelt Bldg., will build 4 story and basement, 60 x 192 ft., brick and steel, plain foundation, 3242 North 17th St. $160,000. Work will be done by separate contracts. Private plans.

Pa., Phila. — GARAGE — E. N. Harris, 2218 Chestnut St., 1 story, 195 x 200 ft., rein.-con. and brick, plain foundation, 18th and Cambria Sts., to Smith-Hardican Co., 1809 Callowhill St.

Fla., Lakeland—HOME—Brotherhood of Carpenters & Joiners Union, 222 East Michigan St., Indianapolis, Ind., 3 story and basement, 250 x 300 ft., brick, steel and stone, plain foundation, here, to F. T. Ley & Co., 578 Madison Ave., New York City, N. Y. Archts. est. $1,000,000.

La., Lafayette — COURT HOUSE and JAIL — Lafayette Parish, general contract 3 story and basement, rein.-con., brick and steel, to General Contg. Co., P. O. Box 399, San Antonio, Tex., $225,245 (less 2%); jail equipment to Fries & Son, Covington, Ky., $25,443 (less 2%). Noted Nov. 4.

O., Akron — GARAGE, SALES and SERVICE — C. H. Watters, Medina Rd., will build 2 story and basement, 70 x 148 ft., brick, steel and concrete, by day labor. F. Hagloch of Practical Eng. Co., Metropolitan Bldg., archt.

O., Toledo — HOTEL — Twelfth and Thirteenth Street Realty Co., H. J. Arensen, pres., for Argonne Hotel, 4 story and basement, 50 x 200 ft., brick and stone, 12th and 13th Sts. north of Madison Ave., to Gettins-Kopitke Co., 323 Wabash St. $275,000.

Ind., Crown Point—LEGION—American Legion, H. A. Claussen, comr., general contract rein.-con., brick and steel, to Henderlong Lumber Co., Crown Point; heating, to Lige Heating Co., Auburn; and plumbing to C. H. Felton Co., Crown Point. Archts. est. $150,000.

Ind., Ft. Wayne—HOME—Comrs. Allen Co., Court House, general contract childrens home, 2 story and basement, 108 x 110 ft., rein.-con., brick and steel, Luna Rd., to Sheets & Carlson, Utility Bldg. $122,839. Noted Nov. 11.

Ind., Richmond — HOSPITAL — Indiana Hospital for Insane, F. L. Ross, supt., 2 story and basement, 72 x 94 ft. men's cottage, rein.-con., brick and steel, to Shelby Constr. Co., Shelbyville. Archts. est. $150,000. Noted Nov. 11.

Mich., Detroit — OFFICE — Bonnah & Chaffee, archts., 300 Barlum Bldg., 40 story, 100 x 100 ft., rein.-con., brick and steel, with 2 basements and caisson foundation extending to bed rock 120 ft. below surface, Cadillac Sq., to Otto Misch Co., 159 East Columbia Ave., for J. J. Barlum, Barlum Bldg. Archts. est. $5,000,000. Noted Aug. 28.

Mich., Detroit—THEATRE and OFFICE—C. H. Crane, archt., 542 Griswold St., foundation for 10 story and basement, rein.-con., brick and steel, Woodward Ave., for W. Fox, c/o architects, to Spencer White & Prentis, 1200 Washington Blvd.; and structural steel frame, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Noted Nov. 11.

Ill., Chicago — APARTMENTS — A. B. Ackerman, 1516 North Menard Ave., masonry contract three 3 story, 46 x 124 ft., brick, 2955-59 North Major Ave., and three 3 story, 46 x 81 ft., brick, 2955-59 North Parkside Ave., to W. E. Galitz, 5345 Hirch Ave.; carpentry contract, to R. Kruger, Oak Park. Archts. est. $288,000.

Ill., Chicago—APARTMENT—Hooper & Janusch, archts., 879 North State Sts., general contract 8 story and basement, 50 x 150 ft., rein.-con., brick and terra cotta, 735-37 Junior Terrace, to Rosenthal, Mayer & Lewis, 77 West Washington St., for G. Abello, 4554 Bway. Archts. est. $411,000. Noted Oct. 28.

Ill., Chicago—APARTMENT—H. Zisook, 1209 East 55th St., masonry contract 3 story, 100 x 159 ft., brick, 1846-52 Lunt Ave., to L. Rubin, 4958 North St. Louis Ave.; carpentry work will be done by owner, by day labor. Archts. est. $225,000. Noted Nov. 25.

Ill., Chicago — APARTMENT — D. S. Klafter, archt., 64 West Randolph St., masonry and carpentry contract 3 story and basement, 37 x 124½ ft., brick and stone, 3618 North Marshfield Ave., to A. E. Pearson & Co., 105 West Monroe St.; plumbing and heating, to Premier Eng. Co., 4534 Lincoln Ave., for Syndicate, c/o architect. Noted Oct. 21.

Ill., Chicago — APARTMENT — Rebori, Wentworth, Dewey & McCormick, archts., 332 South Michigan Ave., general contract 19 story and basement, 82 x 98 ft., rein.-con., brick, steel and stone, 2430 Lake View Ave., to Dahl-Stedman Co., 11 South La Salle St. for Labori, et al, 332 South Michigan Ave. Archts. est. $1,000,000. Noted Sept. 9.

Ill., Chicago—APARTMENT—Rissman & Hirshfield, archts., 64 West Randolph St., masonry and carpentry contract 9 story, 98 x 139 ft., brick, 1257-65 Pratt Plvd., to H Janisch & Co., 1813 Winona St., for Twelve Hundred and Sixty-Three Pratt Building Corp., 111 West Washington Blvd. Archts. est. $400,000. Noted Nov. 18.

Ill., Chicago — OFFICE — D. S. Klafter, archt., 64 West Randolph St., 6 story, 53 x 100 ft., brick top addition, 333-337 South Franklin St., to R. C. Weiboldt Co., 1534 West Van Buren St., for Franklin Street Building Corp., 333 South Franklin St. Archts. est. $400,000. Noted Oct. 21.

Ill., Glen Ellyn—APARTMENT—Foltz & Co., (owner, archts. and contractors) 510 North Dearborn St., Chicago, will build three 3 story and basement, 60 x 100 ft., brick, Park Blvd. and Duane St. $150,000.

Ia., Cedar Rapids — COLISEUM — Memorial Building Comn., C. B. Robbins, pres., general contract 4 and 7 story, and basement, rein.-con., brick, steel and stone, concrete pile foundation, to O. F. Paulson Constr. Co., 405 Granby Bldg., $543,000; steel work, to Iowa Steel & Iron Wks., 400 12th Ave., $107,000; plumbing, heating and ventilating, to Wheatland Plumbing Co., 114 South 4th St., East Cedar Rapids, $81,000; elevators, to Montgomery Elevator Co., Moline, $30,000. Grand total $761,000. Noted Nov. 11.

Ia., Dubuque—HOTEL and THEATRE—Rosenthal Theatre Corp., c/o J. Rosenthal, 5 story and basement, 203 x 265 ft., rein.-con., brick and terra cotta, Iowa and 5th Sts., to R. Levine & Co., 822 West 70th St., Chicago, Ill. Archts. est. $750,000. Noted Dec. 2.

Tex., Houston — COLD STORAGE WAREHOUSE—Houston Terminal Warehouse & Cold Storage Co., O. H. Baker, 1317 Post Dispatch Bldg., 6 story and basement, brick, stone and rein.-con., to J. H. Jones & Co.-B. Bankers Mortgage Bldg., $1,500,000. Noted Aug. 26.

Constr. News page 379

Buildings—Commercial (Continued)

Tex., Houston—JAIL and CRIMINAL COURT—Harris Co., c/o H. L. Washburn, aud., general contract 8 story and basement, 62 x 152 ft. jail and criminal court building, Capital Ave. and Bagby St., to Bellows-Maclay Constr. Co., S. M. U. Dallas. Archts. est. $700,000. Noted Oct. 28.

Tex., San Antonio—OFFICE—Travis Investment Co., c/o R. C. Hill, Travis St., general contract 16 story, basement, and 5 story tower, 113 x 137 ft., rein.-con., brick and stone, plain foundation, Travis and Soledad Sts., to L. T. Wright & Co., 910 Builders Exch. Bldg., probably $800,000. Mechanical bids will be received later.

Okla., Oklahoma City — HOSPITAL — Wesley Hospital Assn., 401 West 11th St., 4 story and basement, 90 x 140 ft., rein.-con. and brick addition, plain foundation, Harvey St., to W. S. Bellows, Herskowitz Bldg., $123,112. Noted Nov. 18.

Calif., Glendale—APARTMENT—Interstate Mortgage & Investment Co., 6001 Santa Monica Blvd., will build 4 story and basement, brick, Central Ave., and Colorado St., by day labor. $150,000.

Calif., San Jose—STORE and OFFICE—Medico-Dental Building Assn., c/o W. H. Weeks, archt., 369 Pine St., San Francisco, will build 11 story and basement, rein.-con., 6th and Santa Clara Sts., by separate contracts. $350,000.

Buildings—Industrial

Proposed Work

Conn., Bristol—MACHINE SHOP—New Departure Mfg. Co., N. J. Voorhees, company engineer, plans machine shop, North Main St. To exceed $40,000. Lockwood, Greene & Co., 24 Federal St., Boston, Mass., engrs.

N. Y., New York — BAKERY and OFFICE — Natl. Biscuit Co., 85 9th St., having plans prepared 16 story, 200 x 221 ft., rein.-con., brick and steel, plain foundation, 15th and 14th Sts., 10th and 11th Aves. $3,000,000. Private plans.

N. Y., Syracuse—ASSEMBLY SHOP and SHOW ROOM—White Co., 842 East 79th St., Cleveland, O., c/o R. Purcell, representative, Comstock Ave., Syracuse, plans 2 story, 170 x 350 ft., rein.-con., brick and steel, plain foundation, West Genesee St. here. $300,000.

N. J., Hoboken—FREIGHT DEPOT—See "Railways under New Jersey."

Pa., Phila. — LAUNDRY — Tremont Laundry Co., 629 Work St., having plans prepared 1 story and basement, 54 x 137 ft., brick, plain foundation, 6th and Lehigh Sts. H. M. Wilson Co., Peoples Bank Bldg., engrs.

Pa., Phila. — PLANT — Lipsky Bros., 1007 Market St., having plans prepared by E. A. Roth, Drexel Bldg., 4 story and basement, 90 x 110 ft., rein.-con. and brick addition, plain foundation, 33rd and Reed Sts.

Fla., Jacksonville—SUBSTATION—City making plans large substation, incl. street lighting in several outlying districts. $2,000,000 voted for same. Schofield Eng. Co., c/o Commercial Trust Bldg., Phila., Pa., engrs.

Miss., Laurel—GAS PLANT—Southern States Utilities Co., Union Indemnity Bldg., New Orleans, La., having plans prepared gas plant and distribution system, here. Western Gas Constr. Co., 1431 Buchanan St., Ft. Wayne, Ind., engrs.

Miss., Vicksburg — GAS PLANT — City plans gas plant. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

La., Bastrop—ICE PLANT—Bastrop Ice & Cold Storage Co., W. L. Hood, mgr., preliminary plans ice plant addition, to provide another 30 ton tank. Private plans.

La., Rayville — COTTON GIN — Bourne & Goforth having plans prepared 1 story cotton gin plant, incl. four 80 saw stands, etc., rein.-con., brick and corrugated iron. $40,000. Private plans.

Tenn., Chattanooga—FOUNDRY—U. S. Cast Iron & Fdry. Co., 27th and Boyce Sts., plans additional building, near here. $300,000.

O., Canton — FACTORY — Luehrs Co. takes bids about Dec. 30, factory, Genoa crossing and Pennsylvania R.R. tracks. $50,000.

O., Cleveland — FACTORY — Bryant Heater & Mfg. Co., E. P. Bailey, Jr., pres., 17825 St. Clair Ave., having plans prepared by Fox, Duthie & Foose, Vickers Bldg., 1 story, 75 x 280 ft., brick, steel and concrete addition. $125,000.

Ill., Chicago — PLANT — Crane Co., 836 South Clark St., having plans prepared by W. J. Clark, 836 South Michigan Ave., 1 story and basement, 68 x 126 ft., and several small additions, brick and timber, Milwaukee and Keeler Aves. $75,000.

Wis., Chippewa Falls—POWER PLANT —See "Unclassified."

Wis., Sheboygan — FACTORY—Sheboygan Mattress Co., 9th and South Water Sts., having preliminary plans prepared by E. A. Juul, Security Natl. Bank Bldg., 2 story and basement, 52 x 122 ft., brick and steel ,plain foundation, also 1 or 2 story, 60 x 120 ft., brick warehouse, Saeman Ave. To exceed $40,000.

Ia., Dubuque—WAREHOUSE—See "Unclassified."

Mo., Kansas City — PLANT — Gleaner Mfg. Co., Independence, having plans prepared 1 and 2 story, brick and steel, in Fairfax Dist. $500,000. Private plans.

Mo., Kansas City—ROLLER GRINDING PLANT—Essmueller Mills Supply Co., 1220 South 8th St., St. Louis, purchased site and plans brick and concrete roller grinding plant, here. $50,000. Private plans.

Texas — POWER PLANT — Central Power & Light Co., c/o E. B. Neiswanger, Frost Bldg., San Antonio, making plans enlarging number plants at various points in South Texas. Private plans.

Okla., Muskogee—PUBLISHING PLANT —Oklahoma Press Publishing Co., had plans prepared by H. O. Valeau & Co., 705 Manhattan Bldg., 1 and 2 story, 75 x 200 ft., rein.-con. and brick publishing plant. $150,000.

Que., Fraser—PAPER MILL—Edwards, Gillies, Fraser & Bronson Firms, Ottawa, Ont., plans new pulp and paper mill near Aylmer East, on Aylmer line of the Hull Electric Ry. Co. $3,000,000. Nesbitt Thomson & Co. Ltd., 145 St. James St., Montreal, organizer. Engineer and architect not selected.

Ont., Hamilton — SUBSTATION — Dominion Power & Transmission Co. having plans prepared constructing and equipping new substation, Dundurn St. $100,000. G. Waller, c/o Owner, engr.

Bids Desired

Mass., Amesbury — BOILER HOUSE — Merrimack Hat Corp., 60 Merrimack St., taking bids altering and constructing 1 story, rein.-con., brick and steel addition, concrete pile foundation. $40,000. F. W. Dean, 141 Milk St., Boston, engr.

Mass., Malden — BAKERY — See "Contracts Awarded."

Conn., Stonington—PLANT—Dec. 15, by Amer. Velvet Co., Bayview Ave., separate contracts 1 story, 75 x 165 ft., rein.-con. and brick plant. $80,000. Stuart, James & Cook, Battery Pl., New York City, archts.

N. Y., New York—BOILER HOUSES—Dec. 13, by Dept. Pub. Welfare, B. S. Coler, comr. Municipal Bldg., alterations and additions, incl. new boilers at City Home and Metropolitan Hospital Dists., Welfare Island.

Pa., Phila.—SUB-STATIONS—Dec. 14, by Dept. City Transit, H. E. Ehlers, dir., for Substation 4, 1 story and basement, 72 x 89 ft., Louden St., and Substation 4, 1 story and basement, 65 x 84 ft., Cumberland St., both concrete, steel, stone, brick and terra cotta, etc. for housing synchronous converters Vaux apparatus for furnishing power for operating portion Broad St. Subway, Contr. 145. Former bids rejected. Noted Dec. 2.

Del., Wilmington—FACTORY—Dec. 17, by Kubitz & Koenig, engrs., Emerson Tower, Baltimore, 1 story and basement, 100 x 200 ft., brick and steel factory, here, for Wil-Tex Co., c/o engineers.

Ind., South Bend — MACHINE SHOP and GARAGE—Ditsch Sales & Garage Co., 223 West Washington St., taking bids rein.-con., brick and steel machine shop and garage. $50,000 . Austin & Shambleau, 111 North Lafayette St., archts.

Ill., Chicago—FACTORY—Dec. 12, by D. S. Klafter, archt., 64 West Randolph St., 3 story and basement, 113 x 125 ft., terra cotta and brick, Courtland St., and Chicago, Milwaukee & St. Paul R.R. tracks, for Goldner Specialty Co., 1347 North Oakley Ave. $125,000.

Wis., New London — FACTORY — See "Contracts Awarded."

Mo., Springfield—GARAGE and OFFICE —Yellow Cab Co. taking bids 2 story and basement, 56 x 146 ft. garage and office building. $60,000. Hawkins & Abbott, McDaniels Bldg., archts.

Ark., Ft. Smith—FACTORY—Ft. Smith Co-operative Window & Glass Co., Box 346, taking bids 70 x 120 ft., rein.-con., corrugated iron, steel and concrete factory. Private plans.

Tex., Midland—ICE FACTORY—Morgan Utilities Inc., A. O. U. W. Bldg., Little Rock, Ark., taking bids approximately 110 ton capacity, probably electrically operated ice plant. $200,000. Private plans.

Utah, Ogden — ROUND HOUSE — See "Contracts Awarded."

Bids Received

Mass., Cambridge (Boston P. O.) — BOILER HOUSE—Middlesex Co. Comm. A. Cutting, chn., Court House, 1 story, rein.-con., brick and steel, 32nd and Thorndike Sts., from J. S. Cassedy, 133 Austin St., $132,283. Noted Sept. 16.

Contracts Awarded

Mass., Brookline (Boston P. O.)—WELDING SHOP—D. Miller, 43 Brookline Ave., 1 story, brick and steel, plain foundation, to Canter Constr. Co., 6 Beacon St., Boston. Archts. est. $40,000. Noted Nov. 11.

Mass., Malden—BAKERY—Friend Bros., 407 Main St., Melrose, will build 2 story, brick, plain foundation, Eastern Ave., here. $50,000. Work will be done by separate contracts. Private plans.

Mass., New Bedford — REPAIR and SERVICE GARAGE — W. Thompson c/o J. S. McIntyre, archt., Times Bldg., 1 story, 40 x 100 ft., rein.-con. and steel, plain foundation, 2nd and High Sts., to F. E. Earl Co., 30 North Fairhaven St. Archts. est. $40,000. Noted Nov. 18.

N. Y., Port Ivory (mail Mariners Harbor) — KETTLE HOUSE — Proctor & Gamble, 6th and Main Sts., Cincinnati, O., general contract remodeling Building 3, 3 story, 90 x 100 ft., steel, for use as kettle-house annex, here, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $75,000 .

Pa., Hanover — MANUFACTURING — Leschen Meyers Co., c/o Swartz & Keyworth, archts., York, rein.-con., brick and steel, plain foundation, here, to O. H. Hostetter, Hanover.

Pa., Phila.—HOSIERY MANUFACTURING—W. Brown Co., Kensington and Ontario Sts., 3 story and basement, 97 x 200 ft., rein.-con., brick and steel, plain foundation, J and Estaugh Sts., to H. Brockelhurst, 512 West Norris St.

Pa., Pittsburgh — MANUFACTURING and PRINTING PLANT—Hunting, Davis & Dunnells, archts., Century Bldg., general contract 4 story and basement, 87 x 137 ft., steel and concrete, Forbes St., to Rust Eng. Co., 311 Ross St., for Republic Bank Note Co., Forbes St. Archts. est. $175,000. Noted Nov. 18.

Pa., Scranton — WARPING and WINDING—Scranton Lace Co., 4 story, approximately 116 x 123 ft., rein.-con. and steel warping and winding building, incl. cafeteria and gymnasium, to M. C. Tuttle Co., 862 Park Square Bldg., Boston, Mass.

Ga., Atlanta—PLANT—MacMillian Co., 17 Houston St., general contract brick and marble, 334 Spring St., to J. S. McCauley & Co., Bona Anna Bldg. Archts. est. $75,000.

Tenn., Fayetteville—BUTTER FACTORY —Borden Southern Co., 350 Madison Ave., New York City, general contract 1 story, 80 x 240 ft., and 2 story, 30 x 45 ft., concrete, brick, and steel, here, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O.

O., Portsmouth — CREAMERY — Leichner-Jordan Co., 2 story and basement, brick and concrete, to Lynn Constr. Co., approximately $65,000.

O., Cleveland—STABLE and GARAGE—General Baking Co., F. E. Barber, mgr., 1887 East 35th St., 2 story, 90 x 130 ft., brick and rein.-con., 1831 East 35th St., to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Archts. est. $75,000.

O., Cleveland—PLANT—Theuer-Norton Co., A. F. Lucht, secy., 3136 West 63rd St., 3 story and basement, 28 x 119 ft., brick, steel and rein.-con. addition, West 65th St., to Boldt-Rapp Co., 5511 Euclid Ave. Archts. est. $60,000.

O., Cleveland—FACTORY—Amer. Stove Co., J. G. Way, mgr., 4301 Perkins Ave., 1 story, 50 x 200 ft., brick and steel, Hough Ave., to J. C. Shafer Co., Smythe Bldg. Archts. est. $60,000. Noted Nov. 25.

O., Willoughby—FACTORY—Ohio Rubber Co., retained Austin Co., engrs. and builders, 16112 Euclid Ave., Cleveland, to design and construct 1 story, 90 x 160 ft., steel manufacturing plant, adjoining new warehouse. Engrs. est. approximately $100,000.

Ind., Crawfordsville—PRINTING PLANT —R. R. Donnelly & Sons, 731 Plymouth Court, Chicago, Ill., general contract 1 story, 148 x 200 ft., brick and steel, here, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $100,000. Noted Nov. 11.

Ill., Chicago — FACTORY — Vit-O-Net Mfg. Co., 4111 Ravenwood Ave., 2 story, 60 x 100 ft., brick and stone, 2611-19 North Ashland Ave., to Chicago Industrial Constr. Co., 53 West Jackson Blvd.

Constr. News page 380

Buildings—Industrial (Continued)

Ill., Chicago—SALES and SERVICE STATION — International Harvester Co., 606 South Michigan Ave., masonry contract 1 story, 130 x 225 ft., brick, 611 West Roosevelt Rd., to W. M. McRea, 606 South Michigan Ave. Archts. est. $140,000.

Wis., New London—FACTORY—Amer. Plywood Co. will build 1 story, 40 x 140 ft., brick and timber addition, plain foundation, here, by day labor. $40,000. Private plans.

Ark., Morrillton—TEXTILE MILL—Morrillton Cotton Mills, c/o E. T. Curry, Morris & Co., Groveville, N. J., 1 story, 158 x 400 ft. textile mill, brick and slow burning mill construction, also picker building and boiler plant, to Monolith Builders, Little Rock.

Utah, Ogden—ROUND HOUSE—Union Pacific R.R. Co., 1416 Dodge St., Omaha, Neb., R. L. Huntley, ch. engr., will build 1-story, 20 stall round house, here, by day labor. $200,000.

Calif., San Francisco — FACTORY — Pacific Bone Coal & Fertilizer Co., Amer. Bank Bldg., 3 story, brick, steel and concrete, Visitacion Valley, to Barrett & Hilp, 918 Harrison St., approximately $60,000.

Calif., South San Francisco—FACTORY—G. Morrill Co., 130 Fremont St., San Francisco, three 1 story, 60 x 135 ft. mill, 31 x 62 ft. boiler, and 16 x 24 ft. office buildings, steel truss and brick, Linden St., to P. J. Walker Co., Sharon Bldg., San Francisco.

T. H., Hilo—FACTORY—Pacific Guano & Fertilizer Co., c/o Dickey & Wood, archts., Damon Bldg., Honolulu, for factory, here, to J. L. Young Eng. Co., Honolulu, $100,000 cost plus percentage basis. Noted Aug. 26.

Buildings—Educational, Religious

Proposed Work

Mass., Quincy (Boston P. O.)—SCHOOL—St. Joseph's Roman Catholic Church, M. J. Cuddihy, pastor, having revised plans prepared by W. W. Drummey, 80 Boylston St., 2 story and basement, brick and stone, plain foundation, Washington and Pray Sts. $150,000. Former bids rejected. Noted Nov. 25.

R. I., Kingston — ENGINEERING — Rhode Island State College, H. Howard Edwards, pres., plans brick and steel engineering building. $200,000 appropriated.

N. Y., New York — CHURCH — St. Anthony of Padua Roman Catholic Church, 166th St. and Prospect Ave., soon takes bids 1 story, 90 x 98 ft., brick, steel and stone, plain foundation, 166th St. and Prospect Ave. $250,000. O'Connor, Delaney & Schultz, 162 East 37th St., archts. Noted Nov. 18.

N. J., Rahway—SCHOOL—Bd. Educ., soon lets contract brick, steel and stone, plain foundation, Wilson Ave. $250,000. Sprague & Slocum, 12 East 42nd St., New York City, archts. Noted Nov. 25.

N. J., West New York—HIGH SCHOOL—Town Council approved $300,000 additional appropriation for high school. $850,000 formerly authorized. C. Swensen, town clk.

Pa., Phila.—COLLEGE—La Salle College, B. Dorothens, pres., Broad and Stiles Sts., having plans prepared by Hoffman-Henon Co., Finance Bldg., college, 20th and Olney Sts. $3,000,000.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt., 19th and Chestnut Sts., having plans prepared by I. T. Catharine, 19th and Chestnut Sts., 3 story and basement, 97 x 219 ft., rein.-con., brick, steel and terra cotta, plain foundation, L and Lycoming Sts. $550,000

Pa., Phila.—SCHOOL—St. Joachim Parish, c/o J. B. Dever, Penn and Church Sts., having plans prepared by Hoffman-Henon Co., Finance Bldg., 3 story and basement, 60 x 120 ft., rein.-con., brick and steel addition.

Md., Baltimore—CHURCH—St. Theresa Roman Catholic Church, c/o T. J. Wheeler, pastor, Mt. Royal Ave. and Lafayette St., having preliminary plans prepared by H. I. Kavanagh, 916 North Charles St., 2 story, brick and stone, plain foundation, Brandan Ave. and Belair Rd. $175,000.

La., Baton Rouge — GYMNASIUM and AUDITORIUM — University of Louisiana, takes bids about Jan. 15, 1 and 2 story, rein.-con. and brick gymnasium and auditorium building $150,000. Wogan & Bernard, Reymond Bldg., archts. Noted Oct. 7.

O., Akron—CHURCH—Second Church of Christ Scientist had sketches made by C. W. Frank, 1203 Akron Savings & Loan Bldg., brick church, 198 Marshall Ave.

O., Cleveland — PATHOLOGICAL LABORATORY—Western Reserve University, R. E. Vinson, pres. Bd. Dirs., 10940 Euclid Ave., having preliminary plans prepared by A. Garfield, Natl. City Bank Bldg., 4 story and basement, brick, steel and concrete, Euclid Ave. and Adelbert Rd. $750,000.

O., Cleveland—SCHOOL—Y. M. C. A., c/o R. Lewis, secy., East 22nd St. and Prospect Ave., having preliminary plans prepared by Hubbell & Benes, 4500 Euclid Ave., 4 story and basement, 50 x 120 ft., brick, steel and concrete technical school, East 22nd St. and Carnegie Ave. $200,000.

O., Hamilton — TEMPLE — Hamilton Masonic Lodge, W. B. Wick, chn., Maple St. near 4th St., having plans prepared by F. G. Mueller, Rentschler Bldg., G. Barkman, Riley Bldg., A. J. Parsons Co., 232 South D St., and R. E. Smith, 645 East Ave., 2 story and basement, brick and stone, High St. near 7th St.

Mich., Kalamazoo — CHURCH — First Methodist Church of Kalamazoo having plans prepared 2 and 3 story and basement, 123 x 195 ft., incl. tower 130 ft. high, rein.-con., brick and steel, plain foundation. $350,000. Engineer and architect's names withheld.

Ill., Downers Grove—HIGH SCHOOL—Dupage County Twp. High School Dist. 99, E. Iler, supt., having plans prepared by Royer, Danely & Smith, Urbana, 3 story, brick, concrete and stone, Ogden Ave. $200,000.

Ill., Springfield — SCHOOL — Concordia Theological Seminary, H. A. Klein, pres., 812 North 12th St., having plans prepared by Helmle & Hemle, archts. and engrs., 1st Natl. Bank Bldg., 5 rein.-con. and brick school buildings, incl. boiler house. $750,000.

S. D., Aberdeen — CHURCH — Sacred Heart Roman Catholic Parish having plans prepared by Slifer & Abrahamson, 594 Endicott Bldg., St. Paul, Minn., rein.-con., brick and stone church. $200,000.

S. D., Aberdeen—SCHOOL—G. F. Fossum, archt., 318 Van Slyke Bldg., takes bids about Feb. 1, 2 story, 58 x 200 ft. with 72 x 72 ft. wing, rein.-con., brick and stone, plain foundation, for Bd. Educ. $170,000. Former bids rejected. Noted Nov. 11.

Mo., Columbia—UNIVERSITY—University of Missouri making preliminary plans auditorium, $1,000,000; library, $250,000; agricultural engineering building and equipment, $100,000; dairy building and equipment, $275,000; education building and equipment, $300,000; engineering building and equipment, $250,000; geology building and equipment, $150,000; green houses, etc., $30,000; nurses home, $75,000; and storage warehouse, $60,000, all rein.-con., brick and stone.

Mo., St. Louis—SCHOOL—See "Buildings—Commercial."

Tex., Amarillo—CHURCH—R. R. Hunt Co., archts., 1407 Southwest Life Bldg., Dallas, soon takes bids rein.-con., brick and stone, Polk St. for Polk St. Methodist Congregation, c/o L. Stuckey, pastor $300,000. Noted Oct. 14.

Tex., McAllen—HIGH SCHOOL—Bd. Educ., c/o F. Freeland, pres., takes bids after Dec. 10, 3 story, 125 x 200 ft., brick, rein.-con., plain foundation. R. H. Cameron, c/o City Natl. Bank Bldg., San Antonio, archt. Noted July 8.

Tex., Ft. Worth—SUNDAY SCHOOL and AUDITORIUM—C. Woodruff, archt., 400 Reynolds St., takes bids about Jan. 1, Sunday school and auditorium, for Christian Congregational Church, L. D. Anderson, pastor, Taylor St., between 5th and 6th Sts. $200,000.

Que., St. Anne de Beaupre—CHURCH—Redemptious Fathers of Ste Anne de Beaupre had plans prepared by Odette & Daoust, address Quebec, for church, 245 ft. high to top of towers, 2,000 seating capacity, with upper church and crypt of 5 naves, 325 ft. long on outside, 285 ft. inside, 200 ft. long at transept, and 127 ft. wide at naves, etc. $1,500,000.

B. C., Vancouver — MEMORIAL CHURCH — Canadian Memorial Church 1811 16th Ave. W., having plans prepared by R. P. S. Twizell, 719 Metropolitan Bldg., 1 story, 84 x 125 ft., rein.-con. and stone, 16th Ave. W. $200,000.

Bids Desired

N. H., Tilton—RECITATION HALL and DORMITORY—Tilton School, G. A. Fairbanks, in charge, taking bids 2 and 3 story and basement, brick and stone, plain foundation, School St. $150,000. Hutchins & French, 11 Beacon St., Boston, archts.

Mass., Holyoke—SCHOOL—Dec. 17, by City, School Bd., 2 story and basement, 80 x 278 ft., brick, steel and stone, Maple St. $400,000. G. Alderman, 316 High St., archt. Noted Nov. 18.

Mass., Roxbury (Boston P. O.)—HIGH SCHOOL—Dec. 22 (extended date), by City, Schoolhouse Dept., Boston, 3 story and basement, 100 x 200 ft., brick, granite and limestone, plain foundation, Warren, Townsend and Deckard Sts., here. $1,480,000. H. H. Atwood, 61 Albany St., Dorchester, archt. Noted Oct. 28.

Mass., Taunton—HIGH SCHOOL—Jan. 10, at office City Clerk, addition to Cohannet High School, Cohannet and High Sts., McLaughlin & Burr, 88 Tremont St., Boston, archts. Noted Oct. 28.

Conn., Waterbury—SCHOOL—Dec. 21, by City, School Bd., 2 story and basement, 62 x 82 ft., and 40 x 60 ft., brick and steel addition, Columbia Blvd. $150,000. L. A. Walsh, 51 Leavenworth St., archt. Noted Dec. 2.

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Constr. News page 381

Buildings—Educational, Religious (Cont.)

N. Y., New York—LIBRARY—Dec. 23, at office curator City College, Convent Ave. and 139th St., 1st half brick, steel and stone library, 140th St. and Convent Ave. $250,000. Crowe, Lewis & Wick, 200 5th Ave., engrs. and archts. Noted Mar. 25.

Pa., Scranton—CATHEDRAL—Dec. 21, by R. M. Hood, archt., 40 West 40th St., New York City, N. Y., 6 story and basement, 125 x 200 ft., rein.-con., steel, brick and stone, plain foundation, Washington Ave., for Scottish Rite Masonic Order, here.

Pa., Scranton—SCHOOLS—Dec. 13, by J. D. Hughes, secy. School Dist., altering and constructing additions to James Monroe (No. 8) School, Cedar Ave. and Maple St.; and Robert Morris (No. 27) School, Boulevard Ave. and Columbia St. A. P. Coon, Union Natl. Bank Bldg., archt.

La., Boyce — SCHOOL — Dec. 21, by Rapides Parish School Bd., W. J. Avery, supt., Alexandria, 3 story, 126 x 214 ft., brick and concrete school. $150,000. Favrot & Livaudis, Ltd., Hibernia Bldg., New Orleans, archts. Noted May 27 under "Baton Rouge."

O., Ashtabula — SCHOOL — St. Joseph Roman Catholic Church, M. O'Brien, pastor, 474 Lake Ave., taking bids 2 story, 80 x 160 ft., brick, steel and concrete school. $150,000.

Wis., Racine—HIGH SCHOOL—Dec. 16 (extended date), by A. H. Schafer, secy. Bd. Educ., William Horlick High School, 2 and 3 story, brick, tile and concrete, plain foundation, Southside. $350,000. J. M. Matson, Baker Blk., archt. Noted Nov. 25.

Ia., Ames—MEMORIAL—Iowa State Memorial Union, c/o Iowa State College Alumni, taking bids 2 story and basement, rein.-con., stone and marble memorial. $1,000,000. Proudfoot, Rawson & Souers, 810 Hubbell Bldg., Des Moines, archts.

Minn., St. Paul—UNIVERSITY—Dec. 15, by State Comm. of Administration & Finance, 4 story and basement, rein.-con., brick and stone plant, building on University Farm Campus. $250,000. C. H. Johnston, 380 Robert St., archt.

Calif., Berkeley—HIGH SCHOOL—Dec. 16, by J. J. Donovan, archt., Tapscott Bldg., Oakland, 2 story brick, Peralta Park, for St. Marys College High School, c/o architect. Noted July 29.

Calif., Galt—HIGH SCHOOL—Dec. 20, by Trustees Galt Joint Union High School Dist., brick high school. Dean & Dean, California State Life Bldg., Sacramento, archts. Noted Aug. 12.

Calif., Pasadena — CHURCH — L. C. Brockway, archt., Security Bldg., taking bids rein.-con. and stone, Walnut St. To exceed $250,000. Noted Nov. 4.

T. H., Honolulu — INDUSTRIAL SCHOOL—Dickey & Wood, archts., Damon Bldg., taking bids (1st unit) industrial school, incl. receiving cottage and hospital, for Territory of Hawaii. $400,000. Noted Aug. 19.

Bids Received

Mass., Hyde Park (br. Boston) — SCHOOL — City, Schoolhouse Dept., 2 story and basement, brick and limestone, plain foundation, Henry Drew Dist., from P. J. Cantwell, 6 Dakota St., Dorchester, $148,000. Noted Nov. 15.

O., Rocky River—SCHOOL—Bd. Educ., K. K. Hastings, pres., general contract 2 story and basement, brick, steel and concrete, Center Ridge Rd., from G. H. Moehlman, Norwalk, $91,000. Noted Nov. 4.

Wis., Madison — MEDICAL SCHOOL — University of Wisconsin, J. D. Phillips, bus. mgr., 6 story and basement, 150 x 150 ft., rein.-con., brick and stone, plain foundation, on campus, from J. P. Cullen & Son, Janesville, $556,673. Noted Nov. 25.

Ore., Portland—MUSIC STUDIO—Ellison & White, East 9th and Weider Sts., 9 story, 100 x 100 ft. studio and stores, Taylor and West Park Sts., from Stebinger Bros., Worcester Bldg. Archts. est. to exceed $250,000. Noted July 29.

Calif., Stockton—NURSES' HOME—E. D. Graham, clk. San Joaquin Co., Nov. 29, 2 story and basement, brick, from F. Tucker, Union Bldg., $147,987. Noted Nov. 18.

Contracts Awarded

N. Y., New York — CHURCH and SCHOOL—St. Stephens Hungarian Church, 420 East 14th St., brick, steel and stone, plain foundation, 408 East 82nd St., to T. J. Waters, 415 Lexington Ave. Archts. est. $250,000. Noted July 14.

N. J., Newark—SCHOOL—Bd. Educ., 3 story, brick, steel and stone addition, Summer Ave., to E. M. Waldron, Inc., 27 Central Ave. Noted Oct. 7.

N. J., Union City—SCHOOL—Bd. Educ., for Robert Waters School, brick, steel and stone, plain foundation, Bline Ave., to Bowe & Millimet, 774 Bline Ave., $320,946. Noted Nov. 18.

Pa., Erie—SCHOOL—Bd. Educ., 2 story, 80 x 216 ft., brick, steel and concrete addition to Irving School, to H. P. Conrath Constr. Co., Erie, $145,500.

Pa., Wilkinsburg—SCHOOL—Bd. Educ., and W. W. Williams, archt., Freehold Bldg., Pittsburgh, general contract, 2 story and basement, irregular shaped, brick and steel, Lincoln Rd., to J. G. Fullman Co., E. E. Trust Bldg., Pittsburgh, $134,500. Noted Nov. 18.

Ky., Lexington—HIGH SCHOOL—Bd. Educ., 3 story and basement, 131 x 356 ft., concrete, brick and steel, to J. T. Jackson Lumber Co., Lexington, $327,000.

O., Cleveland — TABERNACLE — Cleveland Gospel Tabernacle, c/o J. L. Shaw, pastor, 4496 Muriel Ave., superstructure 1 story and basement, 100 x 180 ft., brick, steel and concrete, Henninger Rd., to D. Lindhorst Constr. Co., 1425 Grace Ave. Archts. est. $250,000.

Ill., Chicago — CHURCH — Mundie & Jensen, archts., 39 South La Salle St., masonry and carpentry contract 1 story, 70 x 125 ft., brick and stone, Logan Blvd. and North Francisco Ave., to A. Miller, 2911 North Sacramento Ave., for Episcopal Church of the Advent, c/o architects. Noted Sept. 23.

Calif., Oakland—SCHOOL—Bd. Educ. general contract 1 story, steel and concrete addition, to Elmhurst School, to Koepke Bros., Federal Bldg., $95,527. Noted Nov. 25.

Constr. News page 382

Federal Government Work

Proposed Work

Calif., Pasadena — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., rejected bids Nov. 9, remodeling and enlarging U. S. Post Office, here. Will readvertise. Noted Nov. 18.

Bids Desired

D. C., Wash.—Roof ,etc.—Dec. 29, at office Pub. Buildings & Pub. Parks of Natl. Capitol, Navy Bldg., rebuilding roof, 2nd and 3rd story ceilings in White House.

Tenn., Memphis—Engines, etc.—Dec. 30, at office Dist. Engineer Mississippi River Comn. Dredging Dist., P. O. Box 1017, two 500 hp. unaflow engines, also 550 ft. 32 in. steel dredge pipe and 11 steel dredge pontoons; adv. E. N.-R. Dec. 9.

Ky., Louisville—Jan. 3, by U. S. Engineer Office, P. O. Box 72, operating machinery for Locks 47, 50, 51, 52 and 53, in Ohio River; adv. E. N.-R. Dec. 9.

Mo., St. Louis—Towboat—Jan. 20, by U. S. Engineer Office, 428 Customhouse, one 110 ft. steel hull Diesel-Electric towboat; adv. E. N.-R. Dec. 9.

Bids Received

Me., Caribou—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Nov. 30, constructing U. S. Post Office, here, from A. M. Lundberg, 208 North Bway., St. Louis, Mo., $69,900. Noted Nov. 18.

Mass., Newburyport—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story and basement post office, here, from Sloan-Dickinson Corp., 136 Liberty St., New York City, N. Y., $110,400. Noted Nov. 18.

Mass., Southbridge—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Dec. 3, 1 story, brick and stone, here, from W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $91,300. Noted Nov. 18.

Md., Annapolis — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Nov. 30, remodeling U. S. Post Office, here, from B. H. Ennis, Harford Rd. and Gibbons Ave., Baltimore, $14,965. Noted Nov. 11.

D. C., Anacostia—Storehouse—Spec. 5280—Bureau Yards & Docks, Navy Dept., Wash., D. C., Dec. 1, temporary storehouse, here, from Connell-Zane Co., 233 Bway., New York City, N. Y., $15,835. Noted Nov. 18.

Ind., Mishawaka — Remodeling, etc. — Treas. Dept. at office Supervising Archt., Wash., D. C., Dec. 3, remodeling and enlarging U. S. Post Office, here, from P. Schumaker, 323 West 4th St., Mishawaka, $16,525. Noted Nov. 18.

Mich., Camp Custer (br. Battle Creek)—Refrigerating Plant—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Nov. 30, refrigerating plant, at U. S. Veterans Hospital 100, here, from Milwaukee Steam Appliance Co., West Allis, Wis., $3,750. Noted Nov. 11.

Neb., Central City—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Nov. 30, constructing Post Office, here, from O. Almquist, Central City, $47,561. Noted Nov. 11.

Neb., Mitchell—Operating House—Bureau Reclamation, Custom House, Denver, Colo., Nov. 15, concrete gate operating house, on north spillway structure of Guernsey Dam, here, from G. Kettenton & H. Lowman, Mitchell, $3,450. Noted Nov. 11.

Tex., Point Isabel—Rip Rap, etc.—U. S. Engineer Office, Trust Bldg., Galveston, Nov. 22, approximately 19,000 tons rip rap and block stone for jetties at Brazos Pass, near here, from Dittlinger Lime Co., New Braunfels, $70,600. Noted Nov. 4.

T. H., Pearl Harbor—Dredging—Spec. 5282—Bureau Yards & Docks, Navy Dept., Navy Yard, Mare Island, Calif., dredging at Naval Operating Base, here, item (1) entire work (2) Group A (3) Group B (4) Group C (5) Group D, from Hawaiian Dredging Co., Ltd., Honolulu, (1) $0.515 (2) $0.79 (3) $0.39 (4) $0.49 (5) $0.39; from Arundel Corp., Pier 2, Pratt St., Baltimore, (1) $0.64; from War Dept., Wash., D. C., (1) $0.46 (2) $0.67 (3) $0.46 (4) $0.59 and (5) $0.39. Noted Oct. 21.

Contracts Awarded

Massachusetts — Dredging — U. S. Engineers Office, Providence, R. I., dredging in New Bedford and Fairhaven harbors, here, to J. S. Packard Dredging Co., Turks Head Bldg., Providence, R. I., $24,601. Noted Dec. 2.

O., Dayton—Pump House—Constructing Quartermaster, Wright Field, Dayton, installing water distribution system, etc., to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $26,000. Noted Dec. 2.

Tex., Paris—Extension—Treas. Dept., at office Supervising Archt., Wash., D. C., extension to U. S. Post Office, here, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $72,000. Noted Dec. 2.

Ariz., San Carlos—Dam—U. S. Indian Irrigation Serv., 311 Federal Bldg., C. W. Burke, comr., constructing Coolidge Dam, near here, to Atkinson-Spicer Co., Edwards-Wildey Bldg., Los Angeles, Calif., $2,268,665. Noted Nov. 25.

Unclassified

Proposed Work

Swimming Pool—East Foxboro, Mass.—City Mission, E. Dennew, pastor, 1 Joy St., Boston, having plans prepared by J. C. Clapp, Jr., 3 Hamilton Pl., Boston, concrete swimming pool, here. $25,000. H. F. Bryant & Son, Brookline, engrs.

Playground — Roxbury (sta. Boston), **Mass.** — City, Dept. Pub. Wks., Boston, plans school playground, Greenville St., here. $25,000. J. H. Sullivan, comr.

Refrigeration System—Raleigh, N. C.—See "Sewers."

Lighting System—Jacksonville, Fla.—See "Buildings—Industrial."

Railroad Terminals — Meridian, Miss. — Election Dec. 15, $80,000 bonds, for railroad terminals.

Oil Storage and Distribution Plant—Muskegon, Mich.—Roxana Petroleum Corp., Shell Bldg., St. Louis, Mo., soon takes bids bulk storage and distribution plant, incl. six 10½ x 29 ft., one 30 x 50 ft. and three 40 x 70 ft. tanks, 28 x 60 ft. warehouse, 19 x 21 ft. pumphouse, 28 x 60 ft. garage, 25 x 50 ft. loading rack, 4 x 16 ft. tank car loader, one 290 x 760 ft. wharf, 1,930 lin.ft. 12 ft. retaining walls, and 2 spur railroad tracks, here. $100,000. Private plans.

Swimming Pool — Glen View, Ill. — See "Buildings—Commercial."

Hydro-Electric Development—Chippewa Falls, Wis.—Northern States Power Co., 15 South 5th St., Minneapolis, Minn., and 2 South Barstow St., Eau Claire, making plans hydro-electric power plant and dam on Chippewa River, foot of Broad St. $3,000,000. Byllesby Eng. & Management Co., 231 South La Salle St., Chicago, Ill., engrs.

River Terminal—Dubuque, Ia.—Making plans Mississippi River Termina,l incl. warehouse, loading platform and escalator. W. Schultz, 870 Shrine Bldg., Memphis, engr.

Culverts—Hawarden, Ia.—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Unclassified (Continued)

Barge Terminal, etc.—St. Paul, Minn.—City, c/o J. H. McDonald, comr. Bd. Pub. Wks., City Hall, takes bids in spring barge terminal, incl. dock with crane, etc., at Pigs Eye site. $400,000. G. M. Shepard, city engr.

Transmission Line—Kearney, Neb.—Central Power Co., 2219 Central Ave., plans transmission line. $40,000.

Heating, etc. — San Antonio, Tex. — See "Buildings — Commercial under Contracts Awarded."

Pipe Line — Oklahoma — Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, made surveys 38.8 mi. 6 in. gas mains from Grady Co. gas fields to Lawton. $140,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

Lighting System — Anadarko, Okla. — Voted $40,000 bonds, new 400 hp. Diesel engine and generator for light plant. Musson & Co., Grain Exch. Bldg., Oklahoma City, engrs. Noted Aug. 19.

Lighting System—El Reno, Okla.—Made preliminary plans new "White Way" lighting system incl. 120 standards, etc. from Bickford to Rock Island Sta. $30,000. C. W. Fassett, El Reno, engr.

Fire Alarm — Ventura, Calif. — Plans election $50,000 bonds, fire alarm system.

Asphalt Plant—Quebec, Que.—City plans purchasing asphalt plant. $50,000. J. A. Tremblay, Quebec, engr.

Traffic Signals — Quebec, Que. — Plans new automatic traffic signals on various streets. $25,000. J. A. Tremblay, Quebec, engr.

Power Development—St. Alban, Que.—Shawinigan Water & Power Co., 83 Craig St. W., Montreal, plans 4,000 hp. development from St. Anne River, also power house equipment, here. $600,000.

Crib Wharf—St. Anne de Beaupre, Que.—St. Anne Paper Co. Ltd., St. Anne, plans 200 ft. crib wharf on north side Desvases River, here. $200,000. W. H. Howard, Power Bldg., Montreal, secy. S. Svennisson, Power Bldg., Montreal, engr.

Bids Desired

Out Door Sub-Station—Palmer, Mass.—See "Contracts Awarded."

Oil Tanks — New London, Conn. — See "Contracts Awarded."

Bulkhead—Brooklyn, N. Y.—Dec. 14, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., New York City, reconstructing sheet pile bulkhead at Columbia St., Erie Basin, here.

Telephone System—Kings Park, N. Y.—Dec. 22, by State Hospital Comn., Capitol, Albany, telephone system, at Kings Park State Hospital; adv. E. N.-R. Dec. 9.

Cable—New York, N. Y.—Dec. 10, by A. Goldman, comr. Plant and Structures, Municipal Bldg., furnishing and installing lead covered cable along 125th St., Lafayette St., 4th Ave., lower Park Ave., also along 6th Ave., 2nd Ave. and upper Park Ave.

High Pressure Steam Supply Lines — Odgensburg, N. Y.—Dec. 22, by State Hospital Comn., Capitol, Albany, high pressure steam supply lines, for St. Lawrence State Hospital, here; adv. E. N.-R. Dec. 9. Noted Nov. 18 under "Buildings—Commercial."

Electrical Equipment—Phila., Pa.—Dec. 17 by Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., furnishing and installing electrical equipment for shop buildings and yard lighting at Fern Rock Yard, Broad St. Subway, Contr. 130.

Grade Crossing Elimination—Phila., Pa.—Dec. 29, at office S. T. Wagner, ch. engr. Reading Co., 522 Reading Terminal, grading, removing buildings, constructing retaining walls, overhead foot bridge, etc., between Wissahickon Creek and Haines St., for elimination grade crossings along Norristown Branch between Wissahickon Creek and Fountain St.; adv. E. N.-R. Dec. 9.

National Guard Camp — Biloxi, Miss. — Jan. 15, by E. C. Lohr, U. S. Property & Disbursing Officer, Vicksburg, for camp, incl. 24 kitchens and mess halls, 4 combined baths and lavatories, 1 officers kitchen and mess, 1 supply house, 3 officers combined showers and lavatories, 200 pyramidial and 80 wall tent floors, 1 warehouse, also water supply system, sanitary sewers and lighting system, here, for State Military Dept., National Guard of Mississippi Camp, c/o C. T. Green, state adjt. $94,802. M. L. Culley, Jackson, engr.

Foundation—Detroit, Mich.—See "Buildings—Commercial."

Heating and Ventilating System—Madison, Wis.—C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., taking bids heating and ventilating systems in theatre and business building, State St., here, for New Capitol Investment Co., 530 Grand Ave., Milwaukee. Total $700,000. Noted Nov. 11 under "Buildings—Commercial."

Sand and Gravel Bins—Racine, Wis.—Henry Gloede, Jr., 2022 North Wisconsin St., taking bids twelve 30 x 140 ft. sand and gravel bins, 26 ft. high, rein.-con., 175 cu.yd. capacity. To exceed $25,000.

Oil Circuit Breakers — Los Angeles, Calif. — Dec. 17, by City Water & Power Comn., oil circuit breakers, under Spec. P-398. To exceed $30,000.

Lighting System — Ontario, Calif. — See "Streets and Roads."

Bids Received

Elevated Line—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, Dec. 3, constructing elevated connection Bway.-4th Ave. line to Coney Island Yard, here, from Jobson Gifford Co., Inc., 441 Lexington Ave., New York City, $266,900. Noted Nov. 25.

Comfort Station—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Dec. 1, comfort stations at Westchester Sq., and at Lincoln and 3rd Aves., from Bellgate Constr. Co., 654 East Tremont Ave., $39,156 and $27,751 respectively at Mosholu Parkway, from Beech Contg. Co., 122 Livingston St., Brooklyn, $20,950. Noted Nov. 25.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Dec. 3, from Rosoff Constr. Co., 461 8th Ave., constructing subway, Sect. 3, Route 101, under Church St., etc. (unofficial) $9,033,000, Sect. 4, Route 101, under 6th Ave. from Watts to West 3rd Sts. $5,580,000, and Sects. 3 and 4, Route 101 (combined) $14,150,000. Noted Nov. 25.

Asphalt Paving Unit—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Dec. 6, improving asphalt plant 90th St. and East River, from Warren Bros., 5 Church St., $54,988. Noted Dec. 2.

Contracts Awarded

Out Door Sub-Station—Palmer, Mass.—Central Massachusetts Electric Co., Blanchardville, will build automatic out door sub-station and new distribution board, at Blanchardville, near here, by day labor, under supervision of its own engineers. $90,000. Private plans.

Coal Bridge — Midway (mail Poquonock Bridge), **Conn.**—New York, New Haven & Hartford R.R. Co., New Haven, E. Gagel, ch. engr., concrete coal bridge at Midway Yards, here, to Schaefer & Rogers, Chicago, Ill. Engrs. est. $35,000.

Oil Tanks—New London, Conn.—Beacon Oil Co., 111 Devonshire St., Boston, Mass., will build 3 oil storage tanks, here, by day labor. $30,000. W. E. Brown, Quaker Hill, Waterford, engr.

Borings — New York, N. Y. — J. Miller, pres. Manhattan Boro, Municipal Bldg., borings in connection with final plan for express highway along west side of Manhattan from Canal to West 72nd Sts., to Sprague & Henwood, Inc., 32 Pearl St., $6,120. Noted Nov. 11.

Coaling Station — Conemaugh, Pa. — Pennsylvania R.R. Co., A. C. Shand, ch. engr., Broad St. Sta., Phila., coaling station, incl. 4 pits at changing course of river, etc., to J. F. Casey Co., Aspinwall. Engrs. est. $300,000.

Coaling Station—Thomasville, Ga.—Atlantic Coast Line R.R. Co., 71 Bway., New York City, N. Y., J. E. Willoughby, ch. engr., Wilmington, N. C., 500 ton, rein.-con. automatic electric coaling station, here, to Ogle Constr. Co., 28 East Jackson St., Chicago, Ill.

Foundation — Milwaukee, Wis. — See "Buildings — Commercial under "Bids Desired."

Dock—Superior, Wis.—Great Northern R.R. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., concrete and steel superstructure outer third Iron Ore Dock 1, 1,750 ft. long, 150 ft. wide, and 62 ft. high, on Allouez Bay, incl. driving 2,000 piles, placing 15,000 cu.yd. concrete, and 600,000 reinforcing, etc., to Barnett & Record Co., Lyceum Bldg., Duluth, Minn., $550,000.

Foundation — Beaumont, Tex. — See "Buildings—Commercial."

Refrigerating System—San Antonio, Tex.—City, c/o J. W. Tobin, mayor, refrigerating system in new auditorium, to Dixie Heating & Ventilating Co., 109-11 Fannin St., Houston, $60,784. Noted Oct. 21.

Lighting System — Berkeley, Calif. — E. M. Hann, city clk., ornamental lighting system on University and Shattuck Aves., to F. J. O'Shaughnessy, 2732 Vallejo St., San Francisco, $59,478. Noted Dec. 2.

Street Lighting System—Modesto, Calif.—Ornamental lighting system on portions 1st and 8th Sts., etc., to Reid Co., 339 Clementina St., San Francisco, $48,525. Noted Nov. 4.

Crib Wharf—Cap de la Madeleine, Que.—St. Maurice Valley Co., crib wharf, British Columbia Douglas Fir, to I. Bishop, 10 Cathcart St., Montreal. Archts. est. $200,000.

Pier—Panama—See "Railways."

Materials

Proposed Work

Pipe—Hanford, Calif.—City plans purchasing 2,000 ft. 6 in. vitr. sewer pipe. D. C. Williams, city clk.

Cement, Castings, etc.—London, Ont.—City Council soon takes bids portland cement, castings, road oil, crushed stone, sewer pipe, and asphalt for civic work during 1927. C. P. Near, City Hall, engr.

Bids Desired

Steel Rails—Boston, Mass.—Dec. 15, by Transit Dept., furnishing and delivering, freight prepaid 730 gross tons open hearth steel rails and 1,383 gross tons open hearth Ferro Titanium steel rails to Boston Elevated siding, George St. Yard, Somerville. T. F. Sullivan, 1 Beacon St., chn.

Lumber—New York, N. Y.—Dec. 10, by P. J. Dooling, comr. Purchase, Municipal Bldg., long leaf yellow pine lumber and broken stone to Dept. Docks, Plant and Structures.

Metals and Castings—New York, N. Y.—Dec. 13, by P. J. Dooling, comr. Purchase, Municipal Bldg., metals and castings to Police Dept., etc.; highway roofing and building materials, to Police, Fire Depts., etc.

Paving Blocks, etc.—New York, N. Y.—Dec. 15, by P. J. Dooling, comr. Purchase, Municipal Bldg., paving blocks and lumber to Fire, Police, Street Cleaning Depts., etc.

Cast Iron Pipe — Syracuse, N. Y. — See "Waterworks."

Sandstone—Atlantic City, N. J.—James Ferry Co., Virginia and Mediterranean Aves., in market ferruginous or siliceous sandstone, for bridge pier construction.

Cable—Newark, N. J.—Dec. 14, by W. J. Brennan, dir. Pub. Safety, City Hall, 25,000 ft. (more or less) No. 14, milto-conductor rubber-lead covered fire cable and 24 (more or less) non-Pareil, non interfering, Gamewell-Gardner fire alarm signal boxes.

Paving Materials—Phila., Pa.—Dec. 14, by Dept. Pub. Wks., Bureau of Highways, limestone, sand for asphalt paving mixtures, fuel oil and crushed stone. G. H. Biles, dir.

Rail Bonds — Phila., Pa. — Dec. 16, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at Filbert and 17th Sts., 34 and 44 in. rail bonds, Plan S179F, Contr. 72-1926. A. C. Shand, Broad St. Sta. ch. engr. railroad.

Gravel — Louisiana — See "Streets and Roads."

Slag, Stone, etc.—Lakewood (br. Cleveland), **O.**—Dec. 18, by City, slag, crushed stone, cement, sand, sewer pipe, etc. Private plans.

Liquid Chlorine—Chicago, Ill.—Dec. 14, by Dept. Pub. Wks., Room 406, City Hall, liquid chlorine required from Jan. 1 to Dec. 31, 1927, at Municipal Warehouse, 3150 South Sacramento Ave. A. A. Sprague, comr.

Lumber—Des Moines, Ia.—Dec. 13, at office Auditor Polk Co., 699 pc. 3 x 12 x 16 ft. floor plank, $33,552; 352 pc. 2 x 6 x 12 ft. hand rail, $4,224; and 103 pc. 4 x 4 x 10 ft. rail posts, $1,373, Maintenance Project M-101. F. O. Laing, maintenance supt.

Lumber, etc.—Sigourney, Ia.—Dec. 16, at office Auditor Keokuk Co., 236,335 ft. lumber, 2,740 ft. cypress piling, and 5,000 ft. corrugated culvert pipe. R. C. Fye, Sigourney, co. engr.

Sewer Castings, etc.—Minneapolis, Minn.—Dec. 17, by F. S. Gram, city purch. agt., 400 ton sewer castings and 500,000 vitr. paving brick for sewer construction. N. W. Elsberg, city engr.

Gasoline and Oil—Austin, Tex.—Dec. 30, by State Bd. Control, 12 months supply gasoline and oil. Bidders submit samples and quotations. $450,000. D. D. Harrington, chn.

Brick, Sand, etc.—Los Angeles, Calif.—City taking bids 2,200 tons sand, 3,200 bbl. cement, 750 M common sewer brick, 63,000 ft. vitr. clay lining blocks, 1,530 ft. 30 in. vitr. sewer pipe, 3,000 tons crushed rock or screened gravel, and 9,072 ft. precast rein.-con. pipe.

Contracts Awarded

Road Oil—Fresno, Calif.—D. M. Bannwell, clk. Fresno Co., 125,000 bbl. road oil, to Standard Oil Co., Standard Oil Bldg., San Francisco, at $0.90 per bbl. Noted Nov. 11.

See proposal advertising on page 122

Constr. News page 383

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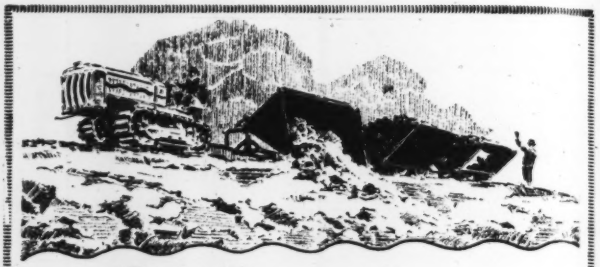

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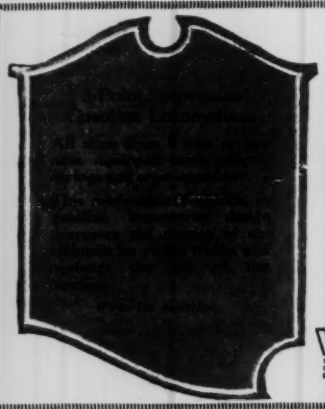

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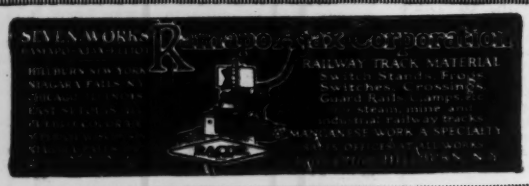

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